

Close Out Documents

AP-78 – 4625 Fillmore St.

Asbestos Abatement and Structural Demolition

Prepared for:

Kiewit Infrastructure Co.
Attn: Megan Wood
160 Inverness Drive West, Suite 110
Englewood CO 80112

Contents:

1. Closeout Letter
2. CDPHE Asbestos Abatement Permit
3. CDPHE Demolition Permit
4. JKS Asbestos Certifications
5. JKS Workers Asbestos Certifications
6. Project Design
 - a. SSAR
 - b. Asbestos Abatement Project Design
 - c. Pre-Demolition Engineering Survey
7. Asbestos Clearance Report
8. Materials Summary
9. Waste Manifests
 - a. Asbestos Waste Manifests
 - b. Regulated Building Materials (RBMs) Waste Manifests
10. Weight Tickets
 - a. Daily Load Trackers and Associated Truck Tickets
 - b. Recycling Weight Tickets
 - c. Waste Weight Tickets
11. Dump Diversion Summary
12. Containment Entry/Exit Log
13. Daily Logs

1. Closeout Letter

January 11, 2019

Kiewit Infrastructure Co.
160 Inverness Drive West, Suite 110
Englewood, CO 80112

Re: SSCR AP-78 4625 Fillmore St.

Dear Kiewit Infrastructure Co.

This letter is confirm that all the work associated with the asbestos abatement and demolition of the structure located at 4625 Fillmore St. Denver, CO 80216, also referred as parcel AP-78, is complete.

The scope of work included the removal of Regulated Building Materials (RBMs), asbestos abatement, demolition of a 2,000 square foot residential structure, demolition of a 325 square foot detached garage and the removal of the curb and driveway.

This document has been prepared to furnish you with key documents associated with this project for your records.

On behalf of the JKS Industries team, we would like to extend our appreciation to working with you on this project and look forward to working with you in the future.

Regards,



Jeffrey Knight,
President

2. CDPHE Asbestos Abatement Permit

ASBESTOS ABATEMENT PERMIT

This permit is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted December 21, 2007, and effective January 30, 2008, the Colorado Air Pollution Prevention and Control Act (25-7-101 or 25-7-501 et seq., C.R.S.) and the following provisions. It is only for the purpose of allowing asbestos abatement.

ADDITIONAL PERMIT PROVISIONS:

By performing work under this permit the abatement contractor agrees that the Division may revoke or suspend this permit should the Division find that the contractor:

- has violated or has aided and abetted in the violation of 25-7-101 or 25-7-501 et seq., C.R.S. or Regulation No. 8, Part B, or an order of the Division or Commission,
- has failed to meet any permit and notification requirement or failed to correct any violations cited by the Division during any inspection within a reasonable period of time, as may be determined by the Division,
- has used misrepresentation or fraud in obtaining this permit, or,
- has committed any act or omission which does not meet generally accepted standards of the practice of asbestos abatement.

As a contractor, you may be subject to other licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

THE ORIGINAL PERMIT MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This asbestos abatement permit is valid beginning 10/23/2018 through 11:59 PM on 10/22/2019.

The actual scheduled work dates are from 11/6/2018 through 11/19/2018.

Approval issued on: 10/25/2018

Record number: 142793

Notice Number: 18DE7238A-07

Variance: None

Comments: None

For the location specified below:

**AP-78 Residential
Bedrooms, kitchen closet & living room
4625 Filmore St.
Denver
Denver County**

This permit has been issued to:

**JKS Industries, LLC
747 Sheridan Blvd Unit 9A
Lakewood, CO 80214**

Fee paid:

Check number:

Project Supervisor:

Andre M. Williams

Cerification No.: 15776

Project AMS:

Logan Greenfield

Cerification No.: 20715

Project Manager:

WAIVED

Certification No.: 15045

Issued by: CLB



ASBESTOS ABATEMENT NOTIFICATION and PERMIT APPLICATION FORM

FEE MUST ACCOMPANY THIS FORM. INCOMPLETE APPLICATIONS WILL BE RETURNED.



Colorado Department
of Public Health
and Environment

| Single Family Residential Dwelling (SFRD) > 50 LF or 32 SF or a 55-gal. drum, but ≤ 260 LF or 160 SF or a 55-gallon drum | Public and Commercial Building, School, and Single-Family Residential Dwelling: > 260 LF or 160 SF or a 55-gallon drum |
|---|--|
| [code 200] <input type="checkbox"/> \$0 Courtesy Notice | [code 100] <input type="checkbox"/> \$0 Courtesy Notice |
| [code 205] <input type="checkbox"/> \$60 Non-Public Access Notice (Opt Out) | [code 105] <input type="checkbox"/> \$80 Non-Public Access Notice |
| [code 210] <input type="checkbox"/> \$60 Notice | [code 110] <input type="checkbox"/> \$80 Notice |
| [code 230] <input type="checkbox"/> \$180 30-Day Permit | [code 130/232] <input type="checkbox"/> \$400 30-Day P&C/SFRD Permit |
| [code 290] <input type="checkbox"/> \$300 90-Day Permit | [code 190/292] <input type="checkbox"/> \$800 90-Day P&C/SFRD Permit |
| [code 265] <input type="checkbox"/> \$420 365-Day Permit | [code 165/267] <input type="checkbox"/> \$1200 365-Day P&C/SFRD Permit |
| [code 180/280] <input type="checkbox"/> \$55 Notice or Permit Transfer | [code 177] <input type="checkbox"/> \$80 Phase <u>7</u> of Multiple Phase Permit # |

Submit form to:
Permit Coordinator
Colorado Dept. of Public Health
and Environment
APCD-IE-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278
asbestos@state.co.us

| Abatement Contractor | | | Abatement Site | | | Building Owner | | |
|---|-------------------------------|-------------------------|--|--|--------------------------------|--|--|-------------------|
| Company Name JKS Industries | | | Building Name AP-78 Residential | | | Owner Name CDOT | | |
| Street Address 747 Sheridan Blvd. Unit 9A | | | Specify location in the building where work will take place (e.g. floor, room, wing, etc.) Bedrooms, Kitchen Closet and Living Room | | | Contact Anthony DaVito | | |
| City Lakewood | State CO | Zip code 80214 | Street Address 4625 Fillmore Street | | | Street Address 2000 S. Holly St. | | |
| Telephone # (303) 238-0207 | Fax # (303) 238-0452 | | City Denver | County Denver | Zip code 80216 | City Denver | State CO | Zip code 80222 |
| Project Supervisor Andre Williams | | CO. Cert # 15776 | Building Contact Doug Messier | | Cell Phone # (817) 320-6749 | Telephone # (303) 512-5900 | | Fax # () |
| Project Personnel | | | Project Information | | | Disposal Site | | |
| CO Project Mgr. Name See Project Manager Waiver form from CDOT | | | Start Date 10/22/2018 | End Date 11/02/2018 | | Landfill Name Denver Arapahoe Disposal | | |
| Cell Phone # () | CO Project Designer # | | Start Time 6:30am AM PM | End Time AM 5:00 PM | | Street Address 3500 South Gun Club Road | | |
| CO Project Designer Name Daniel Benecke | | | Check the day(s) of operation: Su M Tu W Th F Sa <input type="checkbox"/> <input checked="" type="checkbox"/> | | | City Aurora | State CO | Zip code 80018 |
| Cell Phone # (303) 232-2660 | CO Project Designer # 1947 | | Emergency? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | Type of ACM: TSI, Texture, VAT, etc. TDW, Sheet vinyl flooring, Window Glazing | | CDPHE Use Only | | |
| Consulting Firm Name All Phase Consulting, Inc. | | Registration # 15979 | Linear Feet / Type 1 | Square Feet / Type = 4010 3530 SF of TDW 336 SF of Sheet vinyl flooring 144 SF of Window Glazing | 55 gal. Drums | Postmark or Delivery date 10-9-18 | Approved by CIS | |
| A.M.S. Name Logan Greenfield | | | | | | Form of Payment & # NA | PM req'd? Y N <input checked="" type="checkbox"/> | |
| Cell Phone # (719) 545-0375 | CO A.M.S. Cert # 20715 | | | | | Permit # 18127238A-01142113 | Rec'd # | Date Issued: |

Please describe below the work practices and procedures to be employed in conducting the abatement of asbestos. **BE SPECIFIC.** Indicate type(s) of ACBM to be abated (e.g. VAT, ceiling tile, TSI, etc.). Use another page if necessary.

This Phase 7 project will consist in removal and disposal of 3530 SF of textured drywall, 336 SF of Sheet vinyl flooring and window glazing with in a full containmnet. The friable materials will be removed using small hand tools (carpenters hammer, cats claw, crow bar and chisels) the material will be kept wet (1500 psi airless sprayer with amended water) The full containment will employ negative air pressure greater than -0.02cw, a fully functional decon, 1'x1' view port and two chamber waste loadout. All work will be in accordance with Colorado Regulation #8 Part B. The full conatinment will be inspected and cleared by a State Certified AMS.

APPROVED

DATE _____ CDPHE _____

3. CDPHE Demolition Permit

Colorado Department of Public Health and Environment
Air Pollution Control Division – Indoor Environment Program – Asbestos/IAQ Air Unit
4300 Cherry Creek Drive South, APCD-IE-B1
Denver, Colorado 80246-1530
Phone: 303-692-3100 – Fax: 303-782-0278
E-mail: asbestos@state.co.us

DEMOLITION APPROVAL NOTICE

This approval notice is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted December 21, 2007, and effective January 30, 2008 and the Colorado Air Pollution Prevention and Control Act C.R.S. (25-7-101 and 25-7-501 et seq). This notice signifies that the structure was inspected for asbestos, luminous exit signs (containing radioactive material), and Ozone-Depleting Refrigerants and the demolition contractor has properly notified the Colorado Department of Public Health and Environment pursuant to Regulation No. 8, Part B.

As a contractor, you may be subject to other demolition licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division, strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

Please note that certain asbestos-containing materials (ACM) may remain in the structure during demolition. Therefore, any demolition debris left behind after the completion of post-demolition site cleanup may constitute a "reason to know of asbestos-contaminated soil" at the site, subject to the requirements of Section 5.5 of the Solid Waste Regulations (6 CCR 1007-2, Part 1).

THE ORIGINAL APPROVAL NOTICE MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This demolition approval notice is valid beginning 11/29/2018.

The actual scheduled work dates are from 11/29/2018 through 1/31/2019.

Approval issued on: 12/5/2018

Record number: 143947

Notice Number: 18DE8201D

For the location specified below:

AP-78 Residential

4625 Filmore St.

Denver

Denver County

Fee Paid: \$60.00

Check number: 5687

Asbestos Building Inspector:

Logan Greenfield

Cerification No.: 20715

Inspection Date: 11/28/2018

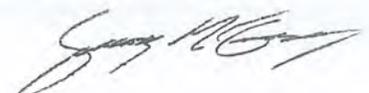
This notice has been issued to:

JKS Industries, Inc.

747 Sheridan Blvd. Unit 9A

Lakewood, CO 80214

Issued by: SM





DEMOLITION NOTIFICATION APPLICATION FORM

APPLICATION FEE MUST ACCOMPANY THIS FORM
INCOMPLETE APPLICATIONS WILL BE RETURNED

(Notice will be mailed to the demolition contractor unless specified otherwise)

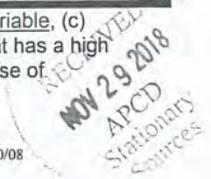
Fee: \$50 + \$5 per 1000 ft² of area to be demolished = \$ 60.00
(See instruction #1 on reverse side)

Submit form to:
Permit Coordinator
Colorado Dept. of Public
Health and Environment
APCD-IE-B1
4300 Cherry Creek Drive
South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278
Asbestos@state.co.us

Colorado Department
of Public Health
and Environment

| | | | | | |
|--|---|---|--|---|--|
| Demolition Contractor | Company Name: JKS Industries | | Building Name: AP-78 Residential | | |
| | Street: 747 Sheridan Blvd. #9A | | Square footage of footprint of facility or portion of facility to be demolished <u>2,000</u> | | |
| | City: Lakewood | State: CO | Zip Code: 80214 | Street: 4625 Fillmore St. | |
| | Telephone # (303) 238-0207 | Fax # (303) 238-0452 | City: Denver | | Zip Code: 80216 |
| | Project Manager: Jeffrey Knight | Cell Phone # (720) 402-4410 | County: Denver | | Proposed Completion Date 1/31/2019 |
| | I certify that the Certified Asbestos Building Inspector has informed me about any remaining asbestos-containing materials in the facility to be demolished. | | Proposed Start Date <u>11/29/2018</u> | | Method/Mean of Demolition: <input checked="" type="checkbox"/> Wrecking <input type="checkbox"/> Burning [†] <input type="checkbox"/> Implosion <input type="checkbox"/> Moving <input type="checkbox"/> Other, specify: |
| | Signature: | Print Name: Jeffrey Knight | Landfill Receiving Building Debris: Denver Arapahoe Disposal Site <input checked="" type="checkbox"/> | | |
| Asbestos Removal Contractor | General Abatement Contractor (GAC) JKS Industries | | Owner's Name: CDOT | | |
| | CDPHE Asbestos Permit # 18DE7238A-07 | Total Quantity of Asbestos Removed <u>4,010 SF</u> | Street: 2000 S Holly St. | | |
| | Date Removal Completed <u>11/28/2018</u> | Telephone # (303) 238-0207 | City: Denver | State: CO | Zip Code: 80222 |
| | Type(s) of Asbestos-Containing Material Removed: 3530 SF TDW, 336 SF Sheet Vinyl Flooring, 44 SF Window glazing | | Contact's Name: Anthony DaVito | | Telephone # (303) 512-5900 |
| Certified Asbestos Inspector | With my signature below, I certify that I possess current AHERA accreditation and state of Colorado certification as an Asbestos Building Inspector. I also certify that I have thoroughly inspected the facility to be demolished, as listed in the Demolition Site block above, sampled all suspect materials, had all samples analyzed for the presence of asbestos by a NVLAP-accredited laboratory, and have determined that no Regulated ACM exists anywhere in the facility.* I also certify that I have informed the owner/operator of the facility or the demolition contractor that any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition. Specify type(s) of ACM remaining, below: (check appropriate box(es)): | | | | |
| | <input type="checkbox"/> Vinyl asbestos floor tile (VAT) <input type="checkbox"/> VAT mastic <input type="checkbox"/> Tar/asphalt impregnated roofing <input type="checkbox"/> Asphaltic pipe coatings <input type="checkbox"/> Spray-applied tar coatings <input type="checkbox"/> Caulking <input type="checkbox"/> Glazing <input type="checkbox"/> Other, specify: | | | | |
| | Signature: (In Blue Ink) | | Printed Name: Logan Greenfield | | |
| Building Owner or Contractor | Date of Final Inspection <u>11-28-18</u> | CO Cert # <u>20715</u> | Expiration Date <u>Oct. 18, 2019</u> | Telephone # <u>(719) 545-0375</u> | Cell Phone # <u>(719) 250-0036</u> |
| | I verify that all refrigerants from air conditioning/refrigeration appliances have been properly recovered in accordance with AQCC Regulation No. 15 (for information on CFC requirements call 692-3100). I further verify that all luminous exit signs (containing radioactive material) have been disposed of in accordance with 6 CCR 1007-1 subpart 3.6.4.3 (for information on luminous exit sign requirements call 303-692-3320). | | | | |
| | CHECK THE APPROPRIATE BOX: <input type="checkbox"/> Building Owner <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Other | | | | |
| Signature: | | Print Name: JEFF KNIGHT | | | Date: <u>11/29/18</u> |
| THIS BOX IS FOR CDPHE USE ONLY: | | | | | |
| Postmark or Hand Delivery Date: <u>11/29/18</u> | | Approved By: <u>ST</u> | | Code: <input checked="" type="checkbox"/> initial-310 <input type="checkbox"/> transfer-380 | |
| Form of Payment & #: <u>check # 5007 / \$ 60</u> | | Permit #: <u>18DUS201D</u> | | Record #: <u>143947</u> Date Issued: | |

* Regulated asbestos-containing materials means (a) friable asbestos-containing material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this regulation. Note: Asbestos-containing sheet vinyl and linoleum must be properly abated/removed prior to demolition.



Colorado Department of Public Health and Environment

Air Pollution Control Division – Indoor Environment Program – Asbestos/IAQ Air Unit
4300 Cherry Creek Drive South, APCD-IE-B1
Denver, Colorado 80246-1530
Phone: 303-692-3100 – Fax: 303-782-0278
E-mail: asbestos@state.co.us

DEMOLITION APPROVAL NOTICE

This approval notice is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted December 21, 2007, and effective January 30, 2008 and the Colorado Air Pollution Prevention and Control Act C.R.S. (25-7-101 and 25-7-501 et seq). This notice signifies that the structure was inspected for asbestos, luminous exit signs (containing radioactive material), and Ozone-Depleting Refrigerants and the demolition contractor has properly notified the Colorado Department of Public Health and Environment pursuant to Regulation No. 8, Part B.

As a contractor, you may be subject to other demolition licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division, strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

Please note that certain asbestos-containing materials (ACM) may remain in the structure during demolition. Therefore, any demolition debris left behind after the completion of post-demolition site cleanup may constitute a "reason to know of asbestos-contaminated soil" at the site, subject to the requirements of Section 5.5 of the Solid Waste Regulations (6 CCR 1007-2, Part 1).

THE ORIGINAL APPROVAL NOTICE MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This demolition approval notice is valid beginning 11/29/2018.

The actual scheduled work dates are from 11/29/2018 through 1/31/2019.

Approval issued on: 12/5/2018

Record number: 143948

Notice Number: 18DE8202D

For the location specified below:

AP-78 Garage

4625 Filmore St.

Denver

Denver County

Fee Paid: \$55.00

Check number: 5687

Asbestos Building Inspector:

Logan Greenfield

Cerification No.: 20715

Inspection Date: 11/28/2018

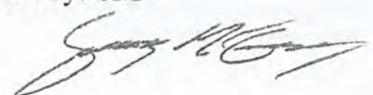
This notice has been issued to:

JKS Industries, Inc.

747 Sheridan Blvd. Unit 9A

Lakewood, CO 80214

Issued by: SM





DEMOLITION NOTIFICATION APPLICATION FORM

APPLICATION FEE MUST ACCOMPANY THIS FORM
INCOMPLETE APPLICATIONS WILL BE RETURNED

(Notice will be mailed to the demolition contractor unless specified otherwise)

Fee: \$50 + \$5 per 1000 ft² of area to be demolished = \$ 55.00
(See instruction #1 on reverse side)

Submit form to:
Permit Coordinator
Colorado Dept. of Public
Health and Environment
APCD-IE-B1
4300 Cherry Creek Drive
South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278
Asbestos@state.co.us

Colorado Department
of Public Health
and Environment

| | | | | | |
|---|---|--|---|--|--|
| Demolition Contractor | Company Name: JKS Industries | | Building Name: AP-78 Garage | | |
| | Street: 747 Sheridan Blvd. #9A | | Square footage of footprint of facility or portion of facility to be demolished (325) | | |
| | City: Lakewood | State: CO | Zip Code: 80214 | Street: 4625 Fillmore St. | |
| | Telephone # (303) 238-0207 | Fax # (303) 238-0452 | City: Denver | | Zip Code: 80216 |
| | Project Manager: Jeffrey Knight | | Cell Phone # (720) 402-4410 | Proposed Start Date 11/29/2018 | Proposed Completion Date 1/31/2019 |
| | I certify that the Certified Asbestos Building Inspector has informed me about any remaining asbestos-containing materials in the facility to be demolished. | | | | |
| | Signature: | | Print Name: Jeffrey Knight | | |
| Landfill Receiving Building Debris: Denver Arapahoe Disposal Site | | | | | |
| Asbestos Removal Contractor | General Abatement Contractor (GAC) NA | | Owner's Name: CDOT | | |
| | CDPHE Asbestos Permit # | Total Quantity of Asbestos Removed | | | |
| | Date Removal Completed | Telephone # | | | |
| | Type(s) of Asbestos-Containing Material Removed: | | | | |
| Certified Asbestos Inspector Certification | With my signature below, I certify that I possess current AHERA accreditation and state of Colorado certification as an Asbestos Building Inspector. I also certify that I have thoroughly inspected the facility to be demolished, as listed in the Demolition Site block above, sampled all suspect materials, had all samples analyzed for the presence of asbestos by a NVLAP-accredited laboratory, and have determined that no Regulated ACM exists anywhere in the facility.* I also certify that I have informed the owner/operator of the facility or the demolition contractor that any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition. Specify type(s) of ACM remaining, below: (check appropriate box(es)): | | | | |
| | <input type="checkbox"/> Vinyl asbestos floor tile (VAT) <input type="checkbox"/> VAT mastic <input type="checkbox"/> Tar/asphalt impregnated roofing <input type="checkbox"/> Asphaltic pipe coatings <input type="checkbox"/> Spray-applied tar coatings <input type="checkbox"/> Caulking <input type="checkbox"/> Glazing <input type="checkbox"/> Other, specify: | | | | |
| | Signature: (In Blue Ink) | | Printed Name: Logan Greenfield | | |
| | Date of Final Inspection 11-28-18 | CO Cert # 20715 | Expiration Date Oct. 18, 2019 | Telephone # (719) 545-0375 | Cell Phone # (719) 250-0036 |
| Building Owner or Contractor | I verify that all refrigerants from air conditioning/refrigeration appliances have been properly recovered in accordance with AQCC Regulation No. 15 (for information on CFC requirements call 692-3100). I further verify that all luminous exit signs (containing radioactive material) have been disposed of in accordance with 6 CCR 1007-1 subpart 3.6.4.3 (for information on luminous exit sign requirements call 303-692-3320). | | | | |
| | CHECK THE APPROPRIATE BOX: | | | | |
| | <input type="checkbox"/> Building Owner | <input checked="" type="checkbox"/> Contractor | <input type="checkbox"/> Other | Date: 11/29/18 | |
| Signature: | | Print Name: JEFFREY KNIGHT | | | |
| THIS BOX IS FOR CDPHE USE ONLY: | | | | | |
| Postmark or Hand Delivery-Date: 11/29/18 | | Approved By: ST | Code: <input type="checkbox"/> initial-310 <input type="checkbox"/> transfer-380 | | |
| Form of Payment & #: check # 5087 / \$ 55 | | Permit #: 180820210 | Record #: 143948 | Date Issued: | |

APPROVED
DATE 12/3/18 CDPHE ST

RECEIVED
NOV 29 2018
APCD

* Regulated asbestos-containing materials means (a) friable asbestos-containing material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this regulation. Note: Asbestos-containing sheet vinyl and linoleum must be properly abated/removed prior to demolition.

4. JKS Asbestos Certifications



Colorado Department
of Public Health
and Environment

General Abatement Contractor

This certifies that

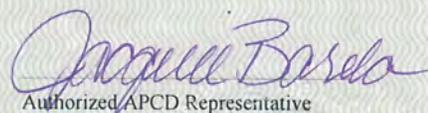
JKS Industries, LLC

GAC No.: 18531

has met the certification requirements of 25-7-507, C.R.S. and Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos abatement activities in the state of Colorado.

Issued: July 18, 2018

Expires: July 18, 2019


Authorized/APCD Representative

SEAL

5. JKS Workers Asbestos Certifications

Colorado Department
of Public Health and
Environment



Supervisor

Asbestos Certification

George W.
Thomas

Expires: 10/25/2018 Cert. #: 17192
Date Issued: 10/25/2017

INTERNATIONAL

Environmental and Safety Training LLC
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660



CERTIFIES THAT

GEORGE W. THOMAS

Has successfully completed
The **EPA- APPROVED AHERA ANNUAL ASBESTOS REFRESHER**
COURSE for **CONTRACTOR/SUPERVISOR**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

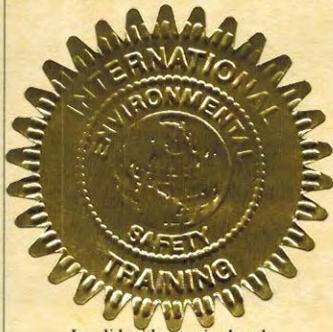
Course Date 10/06/2018

No. Hours 8

Certificate No. CO100618-04ASR

Expires 10/06/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

Training Director

Midtown Occupational Health Services
2490 W. 26th Ave. Ste. 300-A Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name George Thomas

The above individual was seen by me on 02-06-2018 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was performed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2490 W. 26th Ave. Ste. 300-A Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

X There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

_____ There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____

Richard Kraus M.S., PA.-C
 Examining Provider

02/06/18
 Date

Richard Kraus M.S., PA.-C
 Midtown Occupational
 Health Services, P.C.
 2490 W. 26th Ave., Bldg. A, Suite 300
 Denver, CO 80211
 303-831-9393

Respirator Fit Test

I, GEORGE THOMAS acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 5 7 18 Fit Test Conductor: Ruben Domingo

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: [Signature]

Date: 5.7.18

Fit Test Conductor Signature: [Signature]

Date: 5/07/18

Colorado Department
of Public Health and
Environment

Supervisor



Asbestos Certification

Theo
Rowland

Expires: 3/1/2019 Cert. #: 10317
Date Issued: 3/1/2018

INTERNATIONAL



Environmental and Safety Training LLC
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

THEO R. ROWLAND

Has successfully completed
The **EPA- APPROVED AHERA ANNUAL ASBESTOS REFRESHER**
COURSE for **CONTRACTOR/SUPERVISOR**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 01/27/2018
No. Hours 8
Certificate No. CO012718-07ASR
Expires 01/27/2019

This course meets
the requirements of
AQCC Reg. #8



Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Thos Rowland

The above individual was seen by me on 3-2-18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____

Richard Kraus M.S., PA.-C
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393


 Examining Provider

03/08/18
 Date

JKS INDUSTRIES

RESPIRATOR FIT TEST

APPENDIX A – NORTH

EMPLOYEES WORKING UNDER THIS RESPIRATOR PROGRAM MUST ACKNOWLEDGE BY SIGNING THIS FORM. THEY HAVE BEEN FIT TESTED AND HAVE BEEN TRAINED FOR THE PROPER USE AND CARE OF THEIR RESPIRATOR. THEY HAVE READ AND UNDERSTAND THE COMPANY'S WRITTEN RESPIRATOR PROGRAM MANUAL.

Theo Rowland

EMPLOYEE NAME PRINTED OR TYPED

3/19/18

DATE OF FIT TEST

Ruben Domingo

FIT TEST CONDUCTOR

RESPIRATOR:

1. MANUFACTURER: _____ North _____

2. MODEL: _____ 7700M _____

3. SIZE: *Large*

4. APPROVAL NUMBER: _____ TC-84A-0592 _____

IRRITANT SMOKE

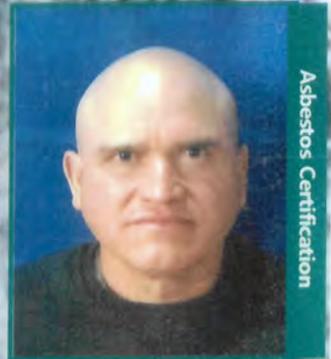
TESTING AGENT

[Signature]

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

Alex Manuel
Martinez-Coronel

Expires: 6/20/2019 Cert. #:24686

Date Issued: 6/20/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

ALEX MANUEL MARTINEZ CORONEL

Has successfully completed
The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 06/11/2018 - 06/14/2018

Exam Date 06/14/2018

No. Hours 32

Certificate No CO061418-02AWI

Expires 06/14/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Alex Martinez

The above individual was seen by me on 6-18-78 in accordance to 29 CFR 1926.1101 (Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note according to CFR 1926.1101 (M)(2)(i)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

1 There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____

Examining Provider J. Raschbacher, M.D. _____ Date _____

J. Raschbacher, M.D.
 Midtown Occupational
 Health Services, P.C.
 2490 W. 26th Ave., Bldg. A, Suite 300
 Denver, CO 80211
 303-831-9393

Midtown Occupational Health Services

2490 W 26th Ave Bld A Ste 300, Denver, CO 80219

Alex, Martinez

ID: 0506 Age: 57 (10/10/1960)

| | | | | | |
|-----------|----------|--------|--------|--------|------|
| Gender | Male | Height | 66 in | Asthma | No |
| Ethnicity | Hispanic | Weight | 156 lb | BMI | 25.2 |
| Smoker | No | | | COPD | -- |

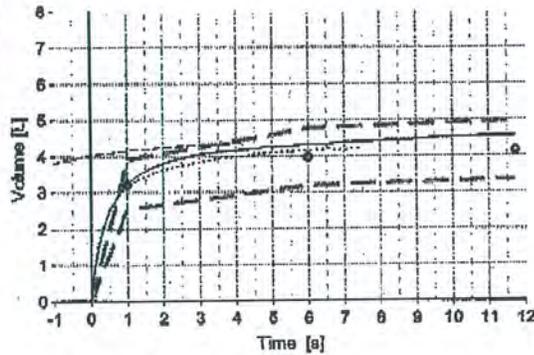
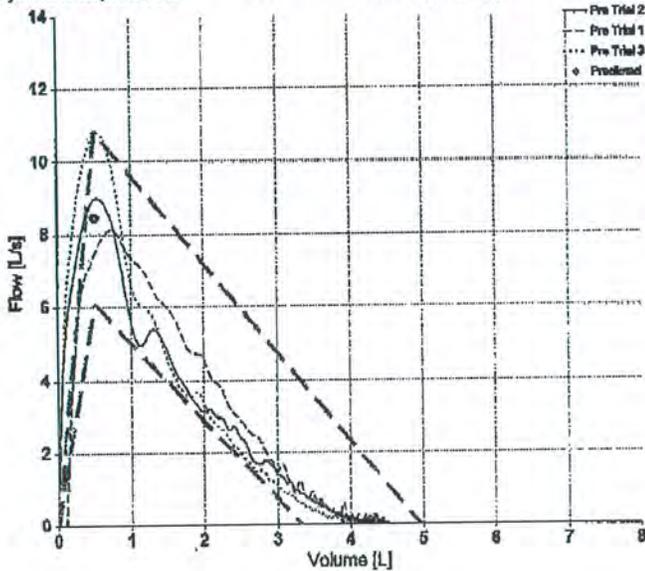
FVC (ex only)

Your FEV1 / Predicted: 105 %

| | | | | | |
|-----------|-----------------------|----------------|------------------------------|-----------------|------------|
| Test Date | 6/18/2018 12:15:39 PM | Interpretation | GOLD(2008)/Hardie | Value Selection | Best Value |
| Post Time | | Predicted | Hankinson (NHANES III), 1999 | BTPS (IN/EX) | 1.09/1.02 |

| Parameter | Pred | LLN | Pre | | | | %Pred |
|----------------|-------|-------|-------|---------|---------|---------|-------|
| | | | Best | Trial 2 | Trial 1 | Trial 3 | |
| FVC [L] | 4.15 | 3.34 | 4.54 | 4.54 | 4.37 | 4.18 | 110 |
| FEV1 [L] | 3.21 | 2.52 | 3.38 | 3.22 | 3.38 | 3.72 | 105 |
| FEV1/FVC | 0.775 | 0.684 | 0.744 | 0.710 | 0.774 | 0.747 | 96 |
| FEF25-75 [L/s] | 2.96 | 1.42 | 2.14 | 2.14 | 2.88 | 2.32 | 73 |
| PEF [L/s] | 8.45 | 6.09 | 10.79 | 9.01 | 8.12 | 10.79 | 128 |
| FET [s] | - | - | 11.7 | 11.7 | 6.8 | 7.3 | - |

Session Quality Pre C (FEV1 Var=0.16L (4.6%); FVC Var=0.16L (3.9%))
 System Interpretation Pre Normal Spirometry



Respirator Fit Test

I, Alex Martinez Coronell, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 06/21/2018 Fit Test Conductor: Ruben Dominguez

Respirator Information

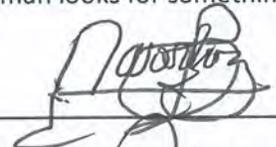
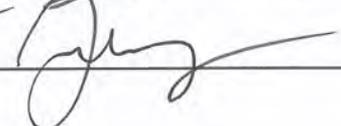
1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL MEDIUM LARGE
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

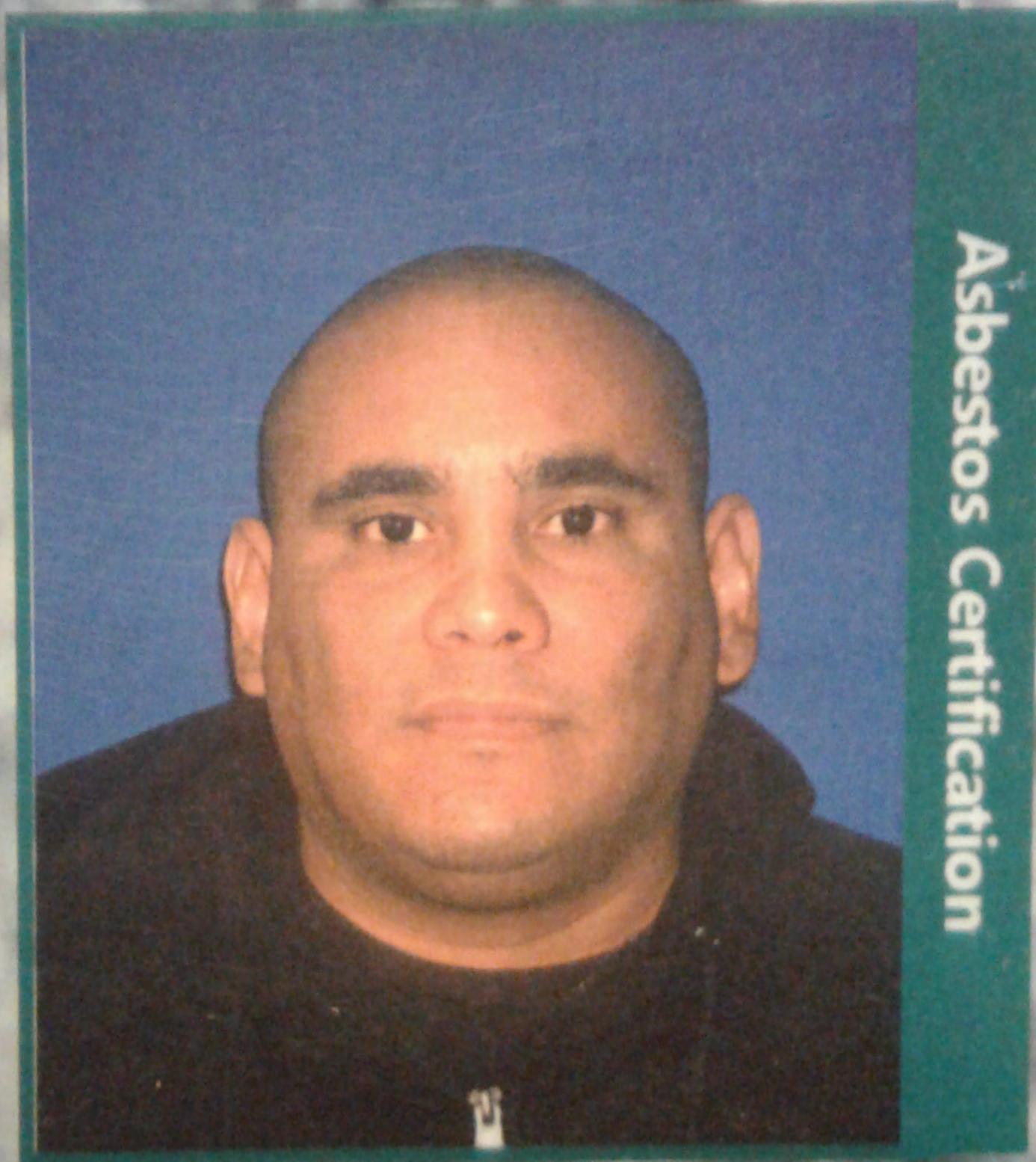
Employee Signature: 
 Fit Test Conductor Signature: 

Date: 06/21/18
 Date: 06/21/2018

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

**Alfredo E
Rincon B**

Expires: 10/23/2019 Cert. #: 25054

Date Issued: 10/23/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

ALFREDO E. RINCON B.

Has successfully completed

The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**

And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 10/15/2018 - 10/18/2018

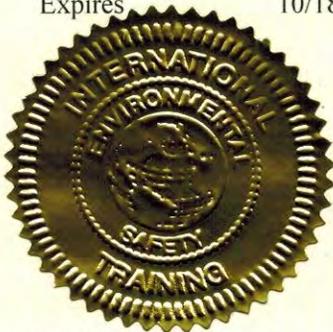
Exam Date 10/18/2018

No. Hours 32

Certificate No CO101818-01AWI

Expires 10/18/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

A handwritten signature in black ink, appearing to read 'F. Cuervo'.

Training Director

Midtown Occupational Health Services
 2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
 Phone: (303) 831-9393 Fax: (303) 831-6335
 OSHA Asbestos Certification

Applicants Name Alfredo Rincon

The above individual was seen by me on 10/9/18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was performed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required) *A + P B-reader*
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
 2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
 Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations No restrictions

[Handwritten Signature]

Examining Provider

10/19/18
Date

MOHS ASBESTOS CERTIFICATION

Lon Noel, M.D.
 Midtown Occupational
 Health Services, P.C.
 2490 W. 26th Ave., Bldg. A, Suite 300
 Denver, CO 80211
 303-831-9393

Respirator Fit Test

I, Alfredo Rincon, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 10/24/18 Fit Test Conductor: Ruber Dominguez

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: [Signature]

Date: 10/24/18

Fit Test Conductor Signature: [Signature]

Date: 10/24/2018

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

Dennis M.
Mejia

Expires: 3/8/2019 Cert. #:21028

Date Issued: 3/7/2018

INTERNATIONAL



Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660

CERTIFIES THAT

DENNIS MICHAEL MEJIA

Has successfully completed

The **EPA- APPROVED AHERA ANNUAL ASBESTOS REFRESHER**
COURSE for WORKER

And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 02/17/2018

No. Hours 8

Certificate No. CO021718-02AWR

Expires 02/17/2019

This course meets
the requirements of
AQCC Reg. #8



Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Dennis Mejia

The above individual was seen by me on 2/1/18 in accordance to 29 CFR 1926.1101 (Asbestos Certification) and 29CFR.1910.134 (Respirator Certification). The following was performed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations CR 2 & 3 read obtained - results pending
No restrictions

Matthew Edwards
 Examining Provider

3/2/08
 Date

Matthew Edwards, PA.-C
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393

Faint, illegible text or stamp, possibly a date or reference number.

Respirator Fit Test

I, Dennis Mejia, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 05-10-2018 Fit Test Conductor: Ruben

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

DM

Breathe normally through the respirator

DM

Breathe deeply through the respirator. Be certain that your breaths are deep and regular

DM

Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.

DM

Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.

DM

Do several jumping jacks to ensure that the respirator does not come loose from your face.

DM

Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.

DM

Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: Dennis Mejia

Date: 05-10-2018

Fit Test Conductor Signature: Ruben

Date: 5/10/2018

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

**Monica E
Barrientos L**

Expires: 10/23/2019 Cert. #: 25053

Date Issued: 10/23/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

MONICA E. BARRIENTOS LEPRI

Has successfully completed

The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**

And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 10/15/2018 - 10/18/2018
Exam Date 10/18/2018
No. Hours 32
Certificate No CO101818-03AWI
Expires 10/18/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Training Director

Invalid without raised seal

Midtown Occupational Health Services
 2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
 Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Monica Barrantos

The above individual was seen by me on 10-19-18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was performed:

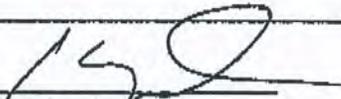
1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____


 Examining Provider

10/19/18
 Date

COPY FOR FILE

David Orgel, M.D.
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393

Respirator Fit Test

I, Mónica Barrientos, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 10/24/18 Fit Test Conductor: Ruber Domingo

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: Mónica Barrientos

Date: 10/24/18

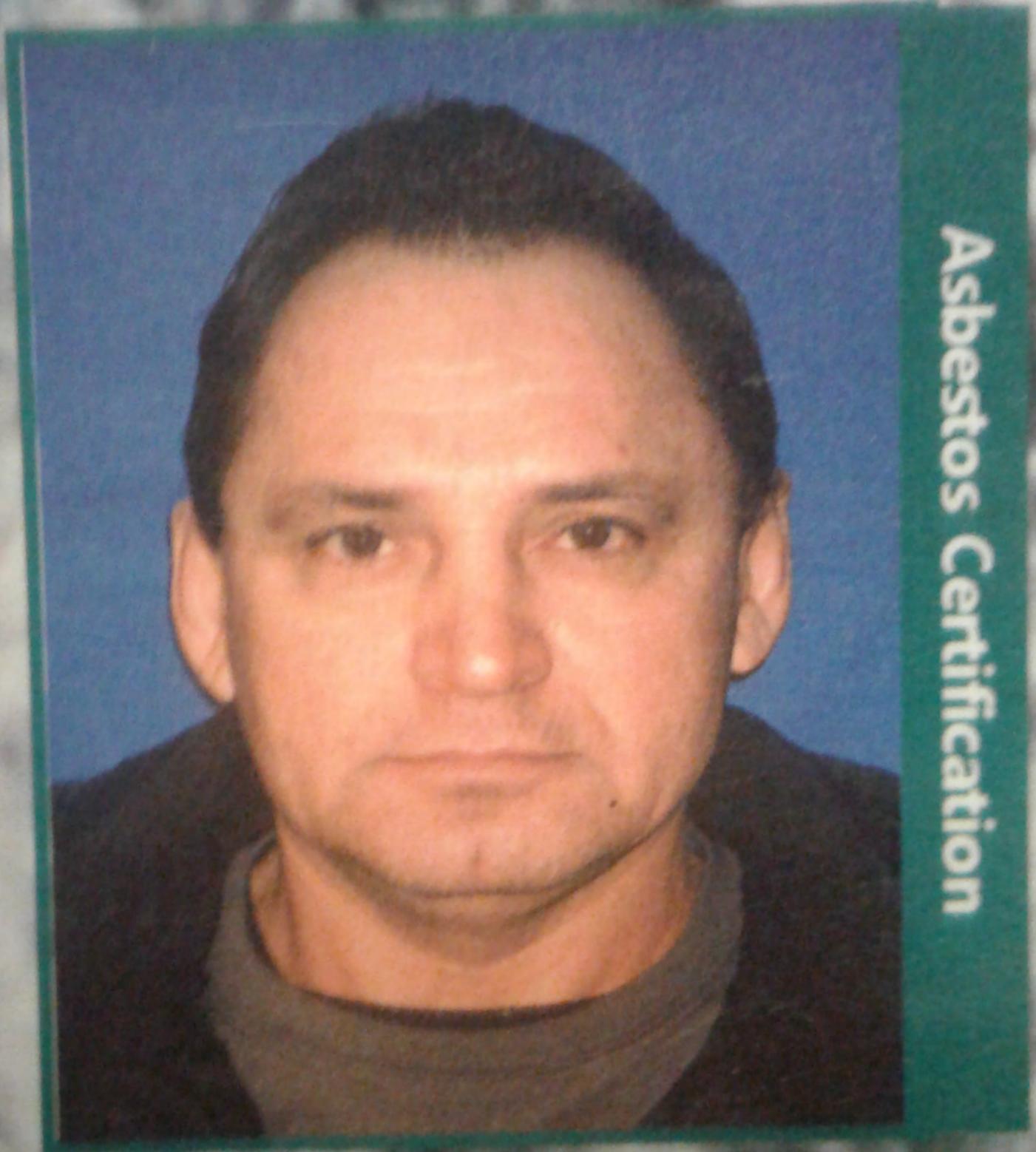
Fit Test Conductor Signature: Ruber Domingo

Date: 10/24/2018

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

Ricardo
Fuerte

Expires: 10/23/2019 Cert. #: 25051

Date Issued: 10/23/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

RICARDO FUERTE MESA

Has successfully completed
The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 10/15/2018 - 10/18/2018

Exam Date 10/18/2018

No. Hours 32

Certificate No CO101818-04AWI

Expires 10/18/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

Training Director

Colorado Occupational Medical Partners

1390 S. Potomac St. Suite 136
Aurora, Co. 80012
Ph# 303.214.0000 Fax# 303.214.0326

PHYSICIAN'S WRITTEN OPINION - ASBESTOS

Applicant's Name: Ricardo Fuente

Address: _____

The above named was seen by me on 10/22/18, and in accordance with all applicable portions of OSHA's Asbestos Standard for the Construction Industry, 29 CFR 1926.1101, with which I am familiar, I have indicated by my initials, that I have performed the following.

1. Reviewed with this individual, his/her completed OSHA standardized Medical Questionnaire and Work History, directed towards the pulmonary, cardiovascular, and gastrointestinal, system; and
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, the personal protective and respiratory equipment to be utilized by the individual; and any additional medical information resulting from previous examinations; and
3. Conducted a physical examination of this individual with emphasis on the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1) and
4. Determined that a chest roentgenogram was ___ was not required as a part of this examination. (If required, the x-ray was taken and read in accordance with Appendix E of the Asbestos Standard); and
5. Determined that this individual may may not ___ use a respiratory device while performing his/her required employment services; and
6. Informed this individual that I have ___ have not detected a medical condition which would place this individual at an increased risk of material health impairment from exposure to asbestos; and
7. Informed this individual of the results of my examination and of any medical condition that may result from this individual's exposure to asbestos; and
8. Informed this individual of the health risks involved in smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Comments and/or Limitations (if any):

Charles Wenzel, DO
(Physician's Printed Name)

[Signature]
(Physician's Signature)

Colorado Occupational Medical Partners
1390 S. Potomac St. Suite 136 Aurora, CO 80012
P:303-214-0000 F:303-214-0335

(Physician's Phone No.)

(Physician's Address)

Respirator Fit Test

I, Ricardo Fuerte, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 10/24/18 Fit Test Conductor: Ruber Doming

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: [Signature]

Date: 10/24/18

Fit Test Conductor Signature: [Signature]

Date: 10/24/2018

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

Tania
Padron

Expires: 10/23/2019 Cert. #: 25052

Date Issued: 10/23/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

TANIA PADRON

Has successfully completed

The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**

And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 10/15/2018 - 10/18/2018
Exam Date 10/18/2018
No. Hours 32
Certificate No CO101818-06AWI
Expires 10/18/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

A handwritten signature in black ink, appearing to read "T. Padron".

Training Director

Colorado Occupational Medical Partners

1390 S. Potomac St. Suite 136
Aurora, Co. 80012
Ph# 303.214.0000 Fax# 303.214.0326

PHYSICIAN'S WRITTEN OPINION - ASBESTOS

Applicant's Name: Tania Padron

Address: _____

The above named was seen by me on 10/22/18, and in accordance with all applicable portions of OSHA's Asbestos Standard for the Construction Industry, 29 CFR 1926.1101, with which I am familiar, I have indicated by my initials, that I have performed the following.

1. Reviewed with this individual, his/her completed OSHA standardized Medical Questionnaire and Work History, directed towards the pulmonary, cardiovascular, and gastrointestinal, system; and
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, the personal protective and respiratory equipment to be utilized by the individual; and any additional medical information resulting from previous examinations; and
3. Conducted a physical examination of this individual with emphasis on the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1) and
4. Determined that a chest roentgenogram was ___ was not required as a part of this examination. (If required, the x-ray was taken and read in accordance with Appendix E of the Asbestos Standard); and
5. Determined that this individual may may not ___ use a respiratory device while performing his/her required employment services; and
6. Informed this individual that I have ___ have not detected a medical condition which would place this individual at an increased risk of material health impairment from exposure to asbestos; and
7. Informed this individual of the results of my examination and of any medical condition that may result from this individual's exposure to asbestos; and
8. Informed this individual of the health risks involved in smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Comments and/or Limitations (if any):

Charles Weazel, DO
(Physician's Printed Name)

[Signature]
(Physician's Signature)

Colorado Occupational Medical Partners
1390 S. Potomac St. Suite 136 Aurora, CO 80012
P:303-214-0000 F:303-214-0335

(Physician's Phone No.)

(Physician's Address)

Respirator Fit Test

I, Tania padron, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 10/24/18 Fit Test Conductor: Ruben Domingo

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
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Employee Signature: EPL

Date: 10/24/18

Fit Test Conductor Signature: [Signature]

Date: 10/24/2018

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

**Wilmer R
Andueza**

Expires: 4/2/2019 Cert. #:24445

Date Issued: 4/2/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

WILMER ANDUEZA

Has successfully completed

The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**

And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 03/19/2018 - 03/22/2018

Exam Date 03/22/2018

No. Hours 32

Certificate No CO032218-06AWI

Expires 03/22/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

Training Director

Midtown Occupational Health Services
 2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
 Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Wilmer Andrusa

The above individual was seen by me on 3/28/18 in accordance to 29 CFR 1926.1101 (Asbestos Certification) and 29 CFR 1910.134 (Respirator Certification). The following was performed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29 CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____

Richard Kraus M.S., PA.-C
 Midtown Occupational
 Health Services, P.C.
 2490 W. 26th Ave., Bldg. A, Suite 300
 Denver, CO 80211
 303-831-9393


 Examining Provider

03/28/18
 Date

Faint, illegible text or stamp, possibly a date or reference number.

JKS INDUSTRIES

RESPIRATOR FIT TEST

APPENDIX A – NORTH

EMPLOYEES WORKING UNDER THIS RESPIRATOR PROGRAM MUST ACKNOWLEDGE BY SIGNING THIS FORM. THEY HAVE BEEN FIT TESTED AND HAVE BEEN TRAINED FOR THE PROPER USE AND CARE OF THEIR RESPIRATOR. THEY HAVE READ AND UNDERSTAND THE COMPANY'S WRITTEN RESPIRATOR PROGRAM MANUAL.

Wilmer Andueza
EMPLOYEE NAME PRINTED OR TYPED

3/28/2018
DATE OF FIT TEST

Ruben Dominguez
FIT TEST CONDUCTOR

RESPIRATOR:

1. MANUFACTURER: North

2. MODEL: 7700M

3. SIZE: Medium

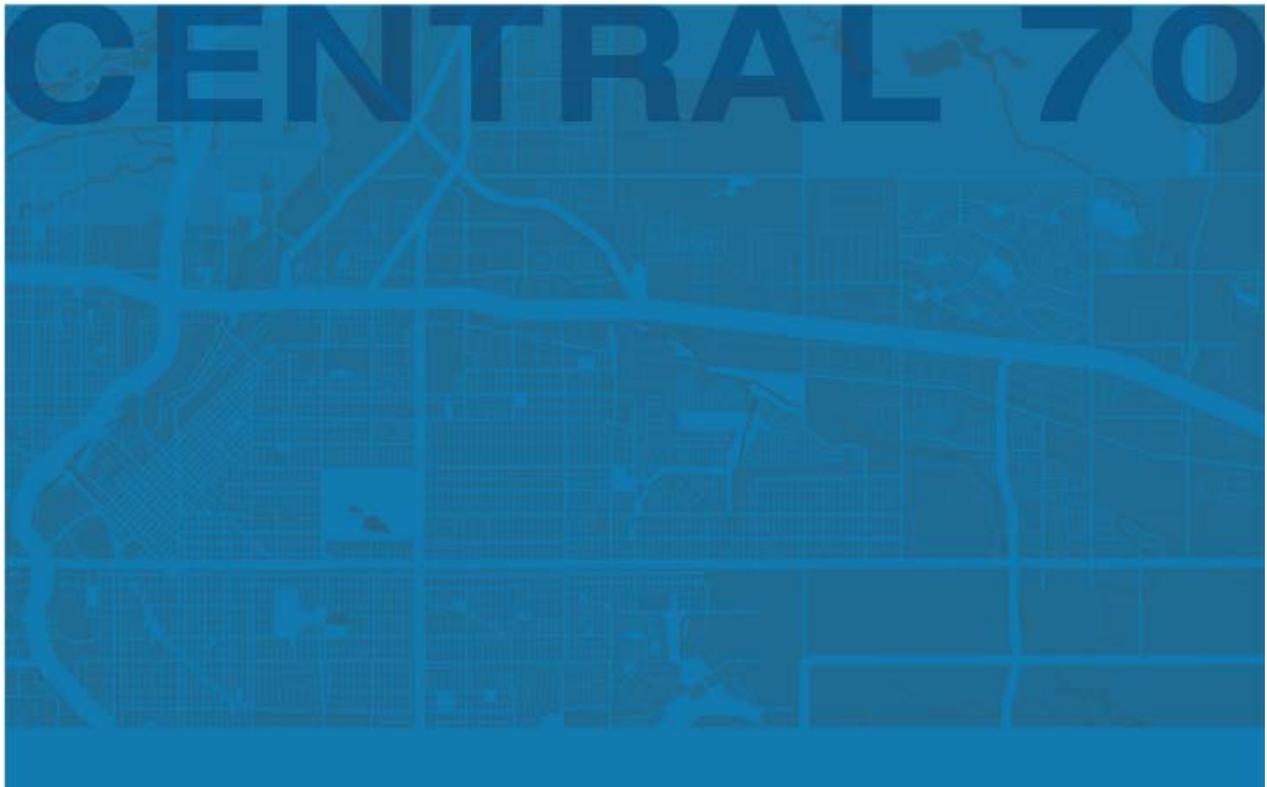
4. APPROVAL NUMBER: TC-84A-0592

IRRITANT SMOKE

[Signature]
TESTING AGENT

6. Project Design

6a. SSAR



July 6, 2018



Structure Survey Assessment Report AP-78

4625 Fillmore Street

Denver, CO 80216

TABLE OF CONTENTS

Contents

| | | |
|----------|---|-----------|
| 1 | Introduction | 1 |
| 2 | Site Survey Methodology | 2 |
| 2.1 | Asbestos Survey | 2 |
| 2.2 | Lead-Based Paint Survey | 2 |
| 2.3 | Survey Of Suspected RBMS..... | 3 |
| 3 | Findings | 4 |
| 3.1 | Asbestos Survey | 4 |
| 3.2 | Lead-Based Paint Survey | 5 |
| 3.2.1 | <i>TCLP Lead Analytical Results</i> | 5 |
| 3.3 | Regulated Building Materials Inventory Survey | 5 |
| 4 | Conclusions and Recommendations | 6 |
| 4.1 | Asbestos..... | 6 |
| 4.2 | Lead-Based Paint | 6 |
| 4.3 | Regulated Building Materials | 7 |
| 5 | Limitations | 8 |
| | Tables | 9 |
| | Figures | 10 |

LIST OF REPORT ACRONYMS/ABBREVIATIONS

| | |
|---------------|---|
| ACMs | Asbestos Containing Materials |
| AHERA | Asbestos Hazard Emergency Response Act |
| APEC | All-Phase Environmental Consultants |
| AMS | Air Monitoring Specialist |
| CABI | Colorado Asbestos Building Inspector |
| CDOT | Colorado Department of Transportation |
| CDPHE | Colorado Department of Public Health and Environment |
| CFCs | Chlorofluorocarbons |
| CFR | Code of Federal Regulations |
| EP | Environmental Professional |
| EPA | Environmental Protection Agency |
| FAA | Flame Atomic Absorption |
| LBP | Lead Based Paint |
| LCP | Lead Containing Paint |
| mg/L | Milligrams per Liter |
| NESHAP | National Emissions Standards for Hazardous Air Pollutants |
| NLC | Non-Lead Containing Paint |
| NVLAP | National Voluntary Laboratory Accreditation Program |
| OSHA | Occupational Safety and Health Administration |
| PCBs | Polychlorinated Biphenyls |
| PD | Project Designer |
| PEL | Permissible Exposure Limits |
| PLM | Polarized Light Microscopy |
| PPE | Personal Protective Equipment |
| ppm | Parts Per Million |
| RBM | Regulated Building Materials |
| RCRA | Resource Conservation and Recovery Act |
| RHMs | Recognized Hazardous Materials |
| SSAP | Structure Survey Assessment Plan |
| TC | Toxicity Characteristic |
| TCLP | Toxicity Characteristic Leaching Procedure |
| USEPA | U.S. Environmental Protection Agency |
| UWR | EPA Universal Waste Rule |

LIST OF SAMPLING ACRONYMS/ABBREVIATIONS

| | |
|------------|--------------------------------------|
| BM | Brick/Mortar |
| CB | Cove Base |
| CC | Concrete |
| CER | Ceramic Block |
| CM | Ceramic Tile/Mortar |
| CMU | Concrete Masonry Unit/Mortar |
| CP | Carpet |
| CT | Ceiling Tile |
| D | Drywall (no surfacing) |
| DJ | Drywall/Joint Compound |
| F | Flooring |
| FT | Floor Tile |
| IN | Insulation |
| L | Linoleum |
| M | Mastic |
| MF | Multiple layered Flooring |
| MT | Mortar |
| PC | Popcorn Ceiling |
| PL | Plaster |
| PM | Panel/Mastic |
| R | Roofing |
| RF | Roof Flashing |
| S | Siding |
| ST | Stucco |
| T | Texture (no substrate) |
| TC | Textured Composite Board |
| TD | Textured Drywall |
| TSI | Thermal System Insulation |
| VB | Vapor Barrier |
| VP | Vent Paste (heating/cooling systems) |
| VW | Vent Wrap (heating/cooling systems) |
| WC | Window Caulk |
| WD | Wallpapered Drywall |

Tables

| | |
|------------|--|
| Table 1-1 | Project Details |
| Table 3-1A | Asbestos Containing Samples |
| Table 3-1B | Non-Asbestos Containing Samples |
| Table 3-2 | Summary of Paint Chip Laboratory Analysis for Lead |
| Table 3-3 | Summary of Regulated Building Materials |

Figures

| | |
|----------|-----------------------------------|
| Figure 1 | Site Location |
| Figure 2 | Asbestos Bulk Sample Locations |
| Figure 3 | Lead-Based Paint Sample Locations |
| Figure 4 | Regulated Building Materials |

Appendices

| | |
|------------|--|
| Appendix A | Asbestos, Lead Inspector and Laboratory Certifications |
| Appendix B | Positive Asbestos & Lead Sample Material Photographs |
| Appendix C | Laboratory Results & Chain of Custody – Asbestos |
| Appendix D | Laboratory Results & Chain of Custody – Lead & TCLP |

APEC Project # 18-3066-019

Prepared for

Kiewit Meridiam Partners

Prepared by

Logan Greenfield

Logan Greenfield, CABI & AMS #20715

VP of Field Services

Reviewed by

Brandice Eslinger

Brandice Eslinger, EP, CABI & PD # 5494

President

1 Introduction

APEC was contracted to complete an environmental building survey for suspect ACMs, LBP, and RBM at 4625 Fillmore Street, Denver, CO. This survey will identify the identification of materials needed to be abated or removed prior to the future demolition activities.

Table 1-1 Project Details

| | |
|--|--|
| Client Name: | Kiewit Meridiam Partners |
| Site Location: | 4625 Fillmore Street, Denver, CO 80216 |
| Building Type | Residential House |
| Building Size | Building is approximately 1,375 square feet |
| Construction Date: | 1946 – Based on the City and County of Denver Assessor's Records |
| Building Uses: | Residential |
| Types of Materials to be Disturbed/Description of Proposed Disturbances: | Client intends to demolish the structure. All building materials will be impacted. |

This Structure Survey Assessment was conducted as part of the Central 70 Project located in Denver, Colorado. This assessment was conducted in accordance with the SSAP, dated March 27, 2018. The SSAP, as defined in Section 23132 of Schedule 17 (Environmental Requirements) of the final Central 70 Project Agreement between CDOT and Kiewit Meridiam Partners, identifies the procedures for completing building and structure surveys for ACMs, LBP and universal wastes or other RHMs, as defined by the RCRA; universal waste, as defined by the USEPA and 6 CCR Part 273 of the Colorado Hazardous Waste Regulations; CFCs, as defined by the Clean Air Act; and PCBs, as defined by the Toxic Substances Control Act.

2 Site Survey Methodology

2.1 ASBESTOS SURVEY

On June 1, 2018, APEC certified personnel, Logan Greenfield, conducted an asbestos survey for demolition at the aforementioned address. The asbestos survey (inspection/sampling) was completed in accordance with the SSAP and follows guidelines established under the USEPA's AHERA program and as required by USEPA regulation 40 CFR Part 61, NESHAP. Bulk sampling of suspected ACMs was performed in strict accordance with AHERA sampling procedures detailed in 40 CFR 763.86. These include but are not limited to labeling each sample, recording on a chain of custody, taking a photo of the sample and recording the location on a site diagram. Demolition work could disturb materials that contain asbestos and put unprotected workers at risk, violating asbestos regulations, which are enforced by OSHA, the EPA, the CDPHE, and the Denver County Health Department. All samples were collected and submitted to EMSL Analytical, Inc. in Denver, CO per APEC chain of custody protocol. The laboratory is a member of NVLAP and is qualified to perform the required analysis (Appendix A). The analysis conducted was the EPA Interim Method for the Determination of Asbestos in Bulk Samples, using standard PLM and dispersion staining as established in 40 CFR Part 763.

This inspection report and methodology complies with the CDPHE Asbestos Sampling and Report Requirements Memorandum dated February 28, 2018.

2.2 LEAD-BASED PAINT SURVEY

On June 1, 2018, APEC certified personnel Rick Ralston conducted the LBP survey. The survey was conducted to evaluate the absence and/or presence of LBP or LCP that will be impacted during future demolition activities. The survey consisted of reviewing and inspecting the interior, exterior, and roof system of the structure for suspect LBP or LCP. The testing method makes use of a heat gun and/or scraper; removing a portion of the paint down to the substrate (material under the paint). Proper Chain of Custody procedures were followed and samples were sent to EMSL Analytical, Inc. in Cinnaminson, NJ, via Fed Ex. The samples were analyzed for total lead (percent by weight) via FAA by EPA Method 7420. EMSL is accredited under the American Industrial Hygiene Association's Environmental Lead Proficiency Analytical Testing program. LBP, according to the EPA, is defined as paint that contains lead in concentrations greater than 1.0 milligrams per square centimeter (mg/cm^2) as measured with an XRF or 5000 ppm when measured by weight, or 0.5 percent by weight.

A total of 17 homogeneous paint color variations of suspect LBP areas were identified. One paint chip sample was collected from each suspect homogeneous area and submitted to the laboratory for analysis. Representative photographs of LBP and/or LCP were taken and are included in the photographic log (Appendix B). The paint chip sample locations were recorded and are included on the sample location drawing (Figure 3). Descriptions of the suspect homogeneous materials and a list of the collected samples are described in the 'Findings' section.

Based on the analytical results for the 17 samples, a TCLP sample was analyzed by collecting a representative sample (approximately 105 grams) of combined suspect building materials. The sample results are located in Appendix D.

2.3 SURVEY OF SUSPECTED RBMS

On June 1, 2018, APEC personnel conducted the RBM inventory consisting of inspecting the interior, exterior, and roof system. The inspection was conducted to visually identify and quantify any building materials, devices, and equipment suspected of containing potentially regulated materials as they pertain to the EPA UWR requirements (40 CFR, Part 273). APECs inventory review consisted of the following: potential mercury-containing thermostats/switches; fluorescent light tubes and compact fluorescent bulbs; items potentially containing PCBs (generally ballasts found within the fluorescent light fixtures); tritium powered exit signs; smoke detectors potentially containing Americium-241; and Freon-containing refrigeration systems. The survey of suspected RBMs are for use by contractors conducting the removal of items from the property. Samples of suspect RBMs are not required for this type of survey, as all determinations are made by visual means.

Although not a “regulated material”, things such as gas meters, electrical meters, and electrical panels are listed with the RBM inventory. These materials will require removal and/or disconnection prior to demolition. These materials should be handled with care until deemed safe.

3 Findings

3.1 ASBESTOS SURVEY

A total of 35 bulk samples, including 1 duplicate sample, were collected from 10 suspect homogenous materials throughout the structure. The results of the PLM analysis are presented in Table 3-1A and Table 3-1B. The following samples are positive for ACMs (i.e. present greater than 1%).

Regulated Asbestos Containing Materials (RACM)

- 4625F-R7-TD1C, 4625F-R8-TD1E – Knockdown Textured Drywall on walls and ceilings of rooms 7 & 8
- 4625F-R1-L8A, 4625F-R1-L8B, 4625F-R1-L8C – Linoleum on the floors in room 1

Non-regulated Asbestos Containing Materials

- 4625F-EX-WG7A, 4625F-EX-WG7B, 4625F-EX-WG7C – Window Glazing on the exterior windows of the building

Point Counts

Point count analysis occurs for samples with <1% of asbestos. Point counts were not needed because the PLM analytical results did not exceed 1% asbestos in the homogeneous materials. The laboratory analytical report is included as Appendix D.

Duplicate Samples

For quality assurance purposes, duplicate samples are taken approximately every 20th sample, per the EPA “pink book” that is used by Colorado Regulation 8 for sampling protocol. Duplicate samples are listed as a duplicate (Q) in the sample location column of Table 3-1A or Table 3-1B. One sample, 4625F-R3-F6Q, was collected because a total of 34 samples were obtained.

3.2 LEAD-BASED PAINT SURVEY

A total of 17 homogeneous paint color variations were analyzed for the presence of LBPs and LCPs (Table 3-2; Figure 3). According to EPA 40 CFR Part 745, LBP is defined as any paint or surface coating that contains lead equal to or exceeding 0.5% (by weight), while LCP is defined as any paint or surface coating containing lead greater than or equal to 0.06% up to 0.5% (by weight). Caution should be taken during demolition to minimize cutting, abrading, or otherwise causing an air disturbance to this material and work must be completed in accordance with the OSHA Lead in Construction Standard (29 CFR 1926.62).

Three lead samples (4625F-L-1, 4625F-L-2, & 4625F-L-5) were found to be greater than 0.06% by weight and less than 0.5% by weight and are considered LCP. Two lead samples (4625F-L-3 & 4625F-L-17) exceeded 0.50% and are considered LBP (Table 3-2). The remaining 12 samples were less than the LCP and LBP thresholds, and are considered NLC. The laboratory analytical report is included in Appendix D.

3.2.1 TCLP LEAD ANALYTICAL RESULTS

Since three samples analyzed as a LCP and two samples analyzed as a LBP, TCLP analysis of lead was performed. TCLP analysis simulates the potential for the demolished building materials to leach lead if placed in the landfill and results of the analysis determine if the materials will be considered hazardous waste. TCLP analysis was performed for landfill compliance and the TC maximum concentration is 5 mg/L. The results of the TCLP analysis is <0.40 mg/L, which is below the regulated limit and therefore not considered hazardous. The analytical report is included in Appendix D.

3.3 REGULATED BUILDING MATERIALS INVENTORY SURVEY

Several suspect RBMs were visually identified throughout the structure. RBMs that are a cause of concern, when discovered, are discussed below. A complete list of the RBMs is presented in Table 3-3, and selected locations of the RBMs are depicted in Figure 4.

4 Conclusions and Recommendations

4.1 ASBESTOS

Approximately 3,866 square feet of RACM was identified as Knockdown Textured Drywall located on the walls and ceilings of rooms 2, 3, 4, 6, 7, 8, the hallway, closet 2 and closet 3. The other RACM identified material is linoleum located in room 1 only as the base layer. These materials will require abatement prior to demolition of the structure because this is easily rendered friable.

Approximately 144 square feet of Window Glazing located on exterior windows was confirmed to be an ACM. This material is a Category II Non-friable ACM. Per NESHAP and Regulation 8, the structure can be demolished without abatement of this ACM. However, best management practices must be implemented to ensure that these materials are not rendered friable during the demolition process.

No other ACM was identified throughout the structures; however, if additional suspect materials, not sampled during this investigation, are identified during demolition, they should either be assumed to be ACM or should be sampled prior to disturbance.

Prior to demolition activities, all friable and non-friable (that can or will be rendered friable) ACM that may be impacted during the demolition must be abated by a Colorado Certified Asbestos Abatement Contractor as required by NESHAP and the CDPHE – Air Pollution Control Division: Asbestos. The exception are Category I & II Non-Friable ACMs that can, with best management practices, remain during the activities and remain non-friable (i.e. not able to be reduced to a dust). Activities such as grinding, excessive munching of materials, sawing, jack-hammering, etc. are strictly prohibited.

According to AHERA, EPA, and the CDPHE, materials testing at less than or equal to 1% asbestos fibers are not considered to be an ACM. However, any materials containing asbestos still need to be regulated. OSHA protocol must be followed when handling materials containing ANY amount of asbestos. Proper PPE and engineering controls must be utilized if these materials will be impacted during demolition activities.

4.2 LEAD-BASED PAINT

Lead was detected at concentrations above the LCP threshold in 3 of the 17 samples and above the LBP threshold in 2 of the 17 samples. The remaining 12 samples are considered NLC. Although LCP and LBP were identified in the samples analyzed, the TC limit of 5 mg/L was not exceeded in the TCLP lead analysis. No lead abatement is required prior to demolition.

TCLP results confirmed that the waste stream is not hazardous with respect to lead content.

While the TCLP results indicate that the waste stream is not characteristically hazardous with respect to lead content, LCP and LBP are still present in the building materials. Therefore, the contractor responsible for demolition of this structure is notified with receipt of this report of the presence or potential presence of LCP and/or LBP in the building materials that comprise the building. The contractor should also notify their employees of the presence of LCP or LBP prior to any disturbance and make the US Department of Labor OSHA publication number 3142-12R 2004 available to their workers. ("Lead in Construction", <http://www.osha.gov/Publications/osh3142.pdf>). The standards address topics such as PELs for workers, exposure assessment, protection of employees during assessment of exposure, employee notification, PPE, medical surveillance, along with other topics related to working with LCP and LBP.

4.3 REGULATED BUILDING MATERIALS

Materials found during the regulated materials inventory within the building may require special handling or disposal prior to demolition activities. If abatement is needed, APEC recommends that the asbestos contractor or general contractor selected by the client properly dispose of these regulated materials, per applicable regulations.

With regards to RBMs, if listed, it is likely that the ballasts in the fluorescent light fixtures do contain PCBs. Where a manufacturer's label is present indicating "no PCBs", the ballast can be disposed of with recyclable metal or with other municipal waste. During removal for disposal as part of the demolition activities, each ballast should be visually inspected for the manufacturer's label indicating "no PCBs". If the label does not have this notation, the ballast should be considered PCB-containing and should be disposed of as a hazardous waste in accordance with local, state, and federal regulatory guidelines. Refrigerators and air conditioning units contain freon, which will need to be reclaimed or taken to a facility capable of this activity. Mercury containing thermostats will need to be disposed of at a facility certified to take this type of material. The contractor should also carefully remove all associated fluorescent light tubes and compact fluorescent lights and recycle or dispose of these materials according to applicable regulations.

This inspection was primarily relevant to the Federal UWR requirements under 40 CFR 273. It should be noted that contractors submitting bids for removal of the RBMs should verify quantities, conditions, and locations of all RBMs prior to bid submittals and initiating demolition activities. The contractor is also responsible for proper recycling and/or disposal of the RBMs, and should follow all federal, state and local regulations when handling these materials.

5 Limitations

This Structure Survey Assessment Report was prepared by All-Phase Environmental Consultants, Inc., at the request of and for the sole benefit of Kiewit Meridiam Partners, or any entity controlling, controlled by, or under common control with Colorado Department of Transportation. APECs certified inspectors used reasonable diligence and professional judgement to identify all suspect asbestos-containing materials, lead based paint, and regulated building materials in the property. APEC will not be held liable for property damage or any loss of property value due to the inspection. This report is not an abatement plan and is intended to be informational only; APEC will not be held responsible for the mishandling of the information contained herein.

APEC utilized destructive inspection methods in performing this survey, however accessibility may have been a limiting condition. If additional impacted suspect materials are discovered during related work for which there are no sample documentation/results, APEC recommends pursuing one of the following alternatives: Sample and analyze the discovered suspect material(s) to determine whether it contains asbestos, lead or other regulated materials; or assume the material(s) to be containing, quantify and remove on a unit cost basis.

Notwithstanding any provision to the contrary, the total liability of "All Phase Environmental Consultants, Inc.", and its employees, officers or directors be liable in contract, tort, strict liability warranty or otherwise, for any special, incidental or consequential damages, such as but not limited to, delay, disruption, loss of product, loss of anticipated profits or revenue, damages, cost, and expenses, including attorney's fees, shall not exceed the aggregate amount paid to All Phase Environmental Consultants, Inc. under this Agreement regardless of the legal theory under which such liability is imposed.

Tables

| | |
|------------|--|
| Table 3-1A | Asbestos Containing Samples |
| Table 3-1B | Non-Asbestos Containing Samples |
| Table 3-2 | Summary of Paint Chip Laboratory Analysis for Lead |
| Table 3-3 | Summary of Regulated Building Materials |

Table 3-1 Positive Asbestos Containing Samples

| Sample Name | Sample Location | Lab Results/ Asbestos Type | Detection Method(s) | Condition | Material Description | Material Location | NESHAP Classification | Estimated Quantity (Sq. ft.) |
|--|-----------------|--|---------------------|-----------|----------------------------|--|-----------------------|------------------------------|
| 4625F-R7-TD1C | ROOM 7 | Texture <1% Chrysotile Joint <1% Chrysotile | PLM | Good | KNOCKDOWN TEXTURED DRYWALL | WALLS AND CEILINGS OF ROOMS 2,3,4,6,7,8 HALLWAY, CLOSET 2 AND CLOSET 3 | RACM | 3,530 |
| 4625F-R8-TD1E | ROOM 8 | Texture 2% Chrysotile | PLM | Good | | | RACM | |
| 4625F-R3-TD1A | ROOM 3 | HOMOGENEOUS TO SAMPLES 4625F-R7-TD1C & 4625F-R8-TD1E | | | | | | |
| 4625F-R4-TD1B | ROOM 4 | | | | | | | |
| 4626F-R7-TD1D | ROOM 7 | | | | | | | |
| 4625-R6-TD1F | ROOM 6 | | | | | | | |
| 4625-R2-TD1G | ROOM 2 | | | | | | | |
| 4625F-EX-WG7A | EXTERIOR | | | | | | | |
| 4625F-EX-WG7B | | Window Glazing 2% Chrysotile | PLM | Good | CAT II | | | |
| 4625F-EX-WG7C | | Window Glazing 2% Chrysotile | PLM | Good | CAT II | | | |
| 4625F-R1-L8A | ROOM 1 | Linoleum 15% Chrysotile | PLM | Good | LINOLEUM | FLOORING OF ROOM 1 | RACM | 336 |
| 4625F-R1-L8B | | Linoleum 15% Chrysotile | PLM | Good | | | RACM | |
| 4625F-R1-L8C | | Linoleum 15% Chrysotile | PLM | Good | | | RACM | |
| ND=Non-Detect PLM=Polarized Light Microscopy NA=Not Applicable RACM=Regulated Asbestos Containing Materials | | | | | | | | |

Table 3-1B Non-Asbestos Containing and OSHA Regulated Samples

| Sample Name | Sample Location | Lab Results/ Asbestos Type | Detection Method(s) | Condition | Material Description | Material Location | NESHAP Classification |
|---------------|-----------------|----------------------------|---------------------|-----------|----------------------------------|--|-----------------------|
| 4625F-R5-TD2A | ROOM 5 | ND | PLM | Good | HEAVY KNOCKDOWN TEXTURED DRYWALL | WALLS AND CEILINGS OF ROOM 5 & CEILING OF ROOM 1 | N/A |
| 4625F-R1-TD2B | ROOM 1 | ND | PLM | Good | | | N/A |
| 4625F-R1-TD2C | ROOM 1 | ND | PLM | Good | | | N/A |
| 4625F-C1-TD3A | CLOSET 1 | ND | PLM | Good | SMOOTH TEXTURED DRYWALL | WALLS AND CEILING OF CLOSET 1 | N/A |
| 4625F-C1-TD3B | CLOSET 1 | ND | PLM | Good | | | N/A |
| 4625F-C1-TD3C | CLOSET 1 | ND | PLM | Good | | | N/A |
| 4625F-G-TD4A | GARAGE | ND | PLM | Good | TEXTURED DRYWALL | WALLS AND CEILING OF THE GARAGE | N/A |
| 4625F-G-TD4B | GARAGE | ND | PLM | Good | | | N/A |
| 4625F-G-TD4C | GARAGE | ND | PLM | Good | | | N/A |
| 4625F-C1-VW5A | CLOSET 1 | ND | PLM | Good | VENT WRAP | OBSERVED ONLY IN CLOSET 1 ON THE FURNACE | N/A |
| 4625F-C1-VW5B | CLOSET 1 | ND | PLM | Good | | | N/A |
| 4625F-C1-VW5C | CLOSET 1 | ND | PLM | Good | | | N/A |
| 4625F-R3-F6A | ROOM 3 | ND | PLM | Good | FLOORING/MASTIC | FLOORING IN ROOMS 3 & 4 | N/A |
| 4625F-R3-F6Q | ROOM 3 | ND | PLM | Good | | | N/A |
| 4625F-R3-F6B | ROOM 3 | ND | PLM | Good | | | N/A |
| 4625F-R4-F6C | ROOM 4 | ND | PLM | Good | | | N/A |
| 4625F-EX-R9A | EXTERIOR | ND | PLM | Good | ROOFING-HOUSE | EXTERIOR | N/A |
| 4625F-EX-R9B | EXTERIOR | ND | PLM | Good | | | N/A |
| 4625F-EX-R9C | EXTERIOR | ND | PLM | Good | | | N/A |

| Sample Name | Sample Location | Lab Results/ Asbestos Type | Detection Method(s) | Condition | Material Description | Material Location | NESHAP Classification |
|--|-----------------|----------------------------|---------------------|-----------|----------------------|-------------------|-----------------------|
| 4625F-EX-R10A | EXTERIOR | ND | PLM | Good | ROOFING-SHED | EXTERIOR | N/A |
| 4625F-EX-R10B | EXTERIOR | ND | PLM | Good | | | N/A |
| 4625F-EX-R10C | EXTERIOR | ND | PLM | Good | | | N/A |
| ND=Non-Detect PLM=Polarized Light Microscopy NA=Not Applicable | | | | | | | |

Table 3-2 Summary of Paint Chip Analysis for Lead

| Sample Number | Sample Location | Lead Concentration (% wt.) | Component | Paint Description | Classification |
|----------------------|------------------------|---------------------------------------|------------------------------|--------------------------|-----------------------|
| 4625F-L-1 | Room 7 | 0.071 | Wood | Brown | LCP |
| 4625F-L-2 | Room 7 | 0.057 | Wood | White | LCP |
| 4625F-L-3 | Room 7 | 0.89 | Wood | Fawn | LBP |
| 4625F-L-4 | Room 7 | <0.0080 | Drywall | Tan | NLC |
| 4625F-L-5 | Room 7 | 0.45 | Wood | Dark Brown | LCP |
| 4625F-L-6 | Room 7 | <0.0080 | Drywall | Light Tan | NLC |
| 4625F-L-7 | Room 4 | <0.0080 | Drywall | Gray | NLC |
| 4625F-L-8 | Room 1 | <0.034 | Wood-Cabinet | Brown Shellac | NLC |
| 4625F-L-9 | Room 1 | <0.0080 | Drywall | Lilac | NLC |
| 4625F-L-10 | Room 1 | <0.0080 | Drywall | Yellow | NLC |
| 4625F-L-11 | Room 2 | <0.0080 | Drywall | Dark Blue | NLC |
| 4625F-L-12 | Room 6 | <0.0080 | Drywall | Blue | NLC |
| 4625F-L-13 | Room 6 | <0.0080 | Drywall | Lt Blue | NLC |
| 4625F-L-14 | Room 8 | 0.017 | Drywall | Dark Pink | NLC |
| 4625F-L-15 | Closet 3 | <0.0080 | Drywall | Light Pink | NLC |
| 4625F-L-16 | Exterior | 0.023 | Wood | Black | NLC |
| 4625F-L-17 | Exterior | 5.8 | Metal down spouts | Brown | LBP |

Table 3-3 Summary of Regulated Building Materials

| Room | Material | Location | Quantity Fixture/Bulbs each |
|-------------|-----------------------|-------------------------------|--|
| Room 3 | Thermostate (Digital) | West side of the stub wall | 1 |
| Exterior | Gas Meter | Front of house | 1 |
| Closet 1 | Furnace | Middle of Room | 1 |
| Room 4 | Freezer | North Side of Room | 1 |
| Exterior | Electrical Meter | South West Corner of House | 1 |
| Exterior | Breaker Box | South West Corner of House | 1 |

Figures

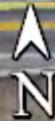
- Figure 1 Site Location
- Figure 2 Asbestos Bulk Sample Locations
- Figure 3 Lead-Based Paint Sample Locations
- Figure 4 Regulated Building Materials

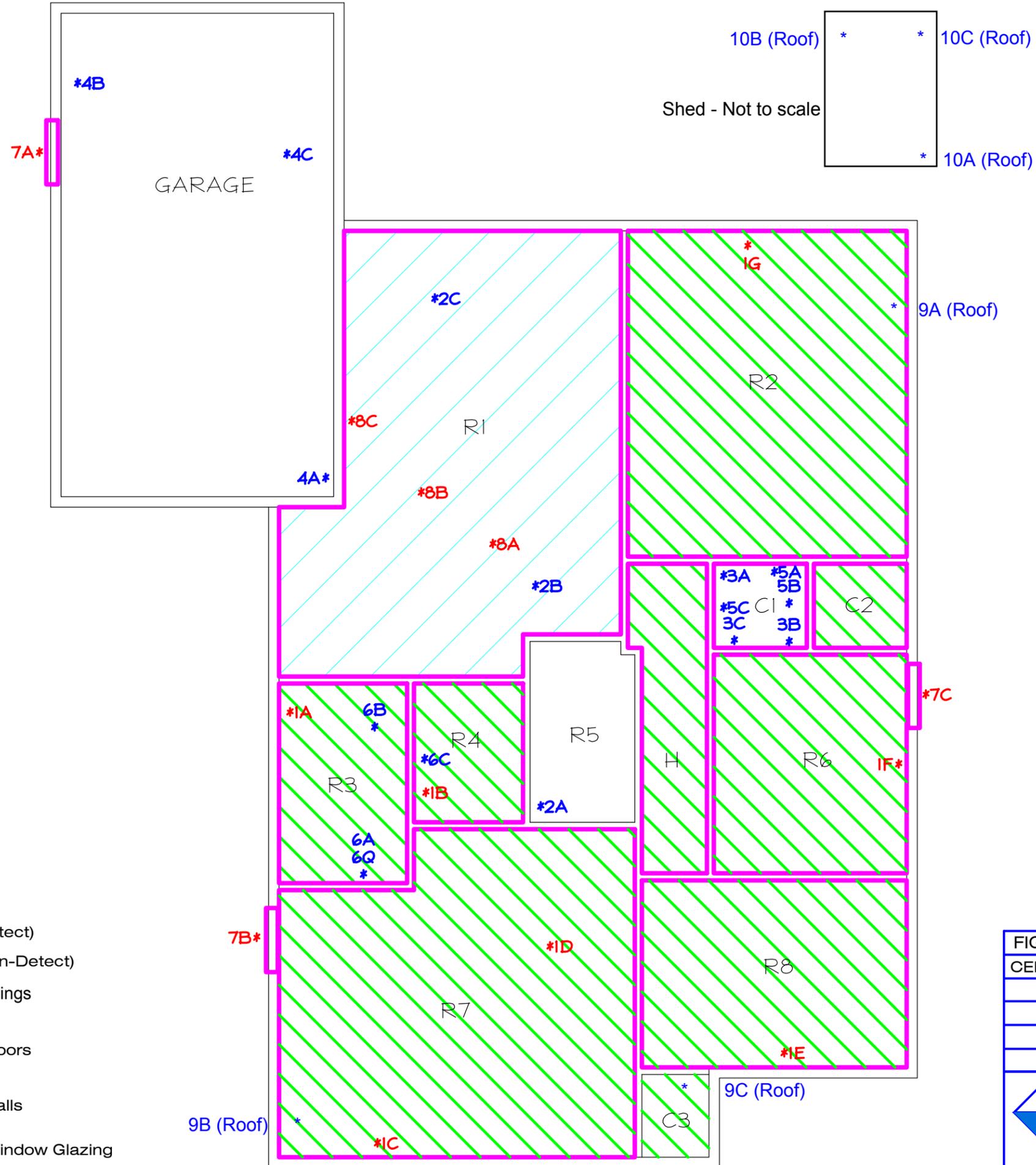
FIGURE 1

AP-78

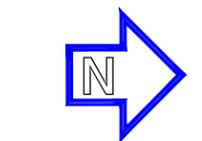
Legend

 4625 Fillmore St





- R1 = Room Numbers
- #1A = Asbestos Samples (Detect)
- #4B = Asbestos Samples (Non-Detect)
-  = Positive Asbestos at Ceilings
-  = Positive Asbestos at Floors
-  = Positive Asbestos at Walls
-  = Positive Asbestos at Window Glazing

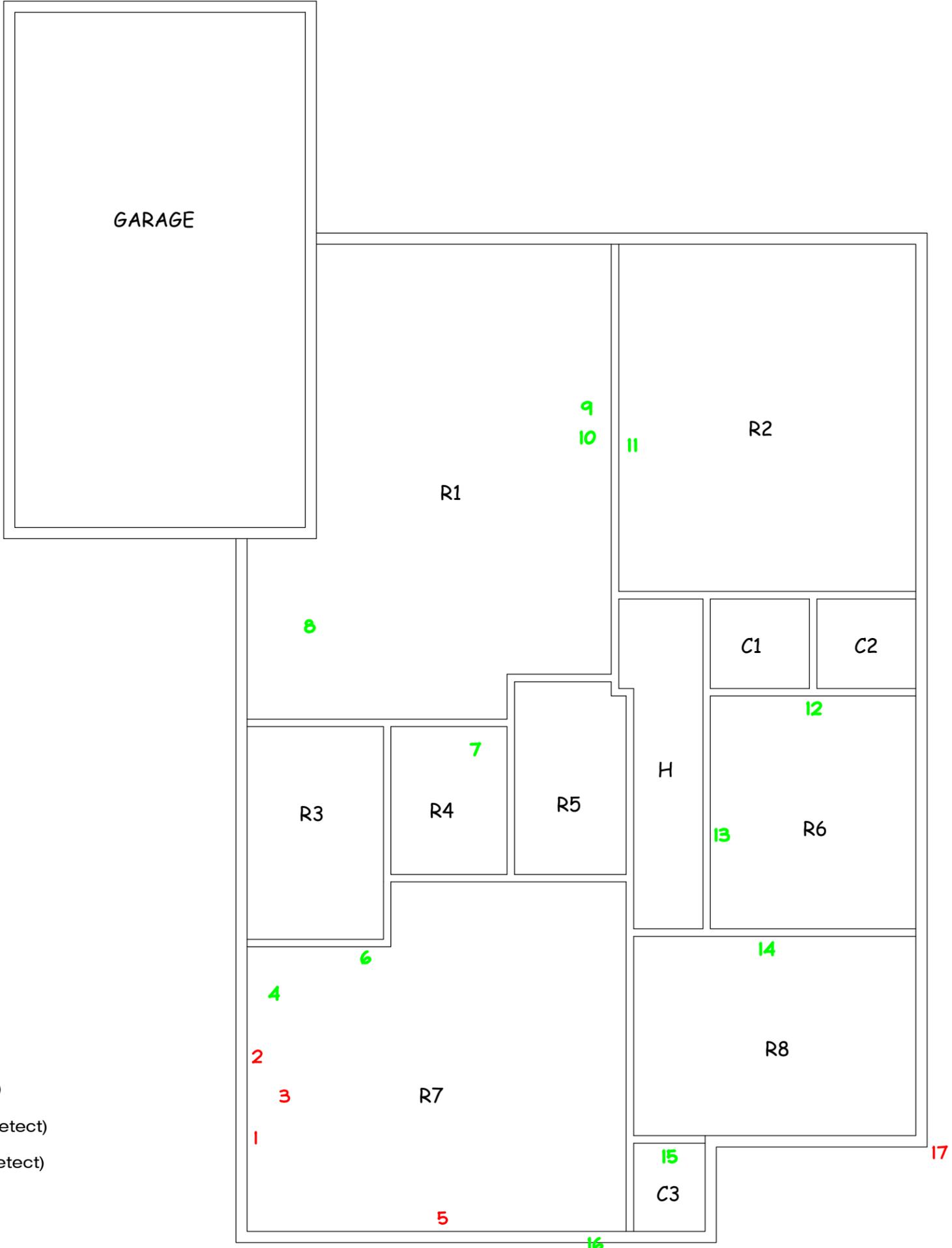


DR BY: R.A.
 APPROVED: B.N.E.
 SCALE: 3/16" = 1'-0"

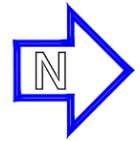
FIGURE 2 - Asbestos Bulk Sample Locations
 CENTRAL 70 - Structure Survey Assessment Map
 AP-78
 4625 Fillmore St., Denver, CO
 June 1, 2018
 APEC #: 18-3066



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 721 W 9TH STREET
 Pueblo, CO 81003 Ph: (719) 545-0375



- R1 = Room Numbers
- 4 = Lead Base Paint (Detect)
- 4 = Lead Containing Paint (Detect)
- 4 = Lead Base Paint (Non-Detect)

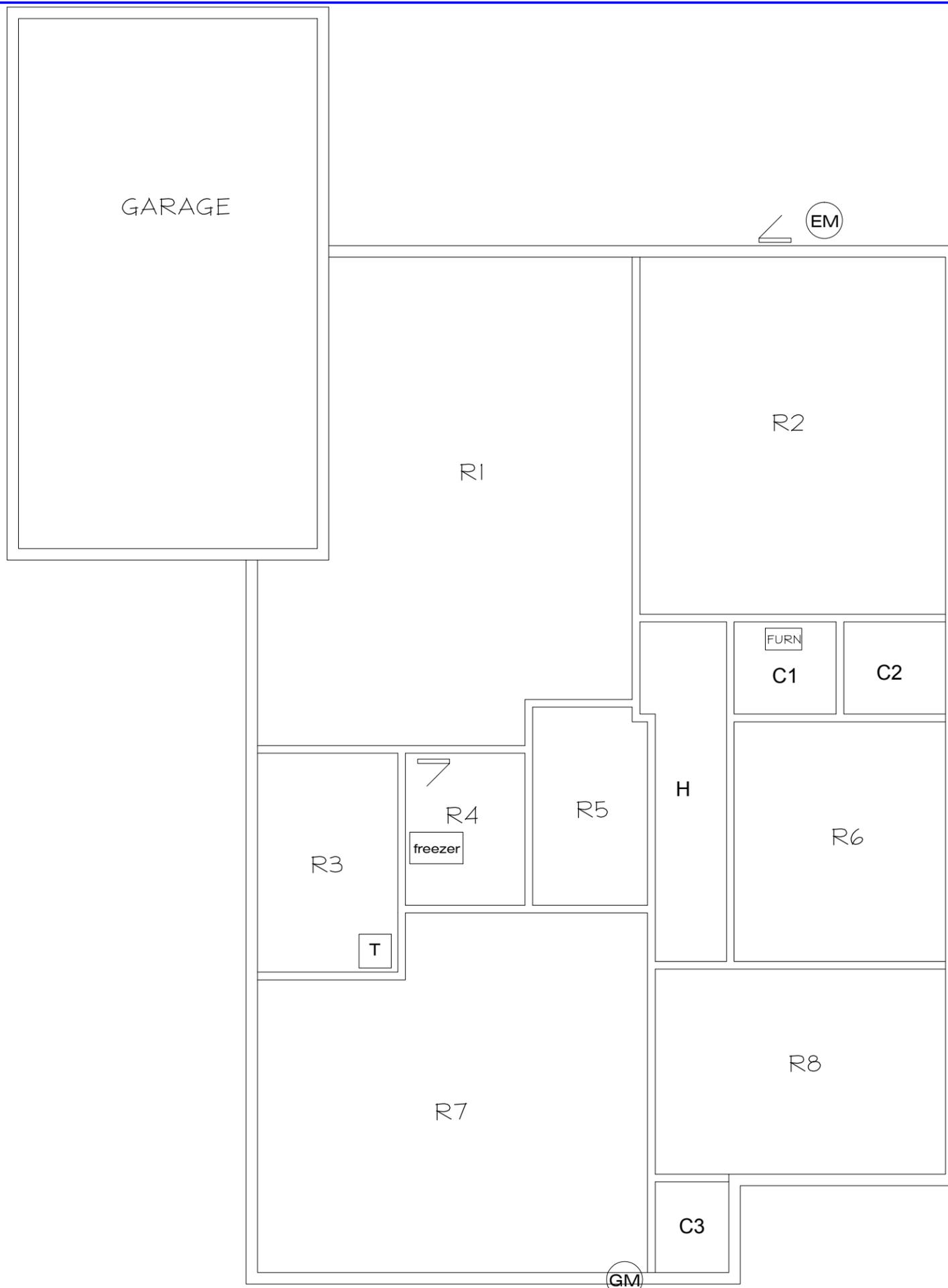


DR BY: R.A.
 APPROVED: B.N.E.
 SCALE: 3/16" = 1'-0"

FIGURE 3 - Lead Based Paint Sample Location
 CENTRAL 70 - Structure Survey Assessment Map
 AP-78
 4625 Fillmore St., Denver, CO
 June 1, 2018
 APEC #: 18-3066



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- R1 = Room Numbers
- FURN = Furnace
- T = Thermostat
- EM = Electrical Meter
- freezer = Freezer
- = Breaker Panel
- GM = Gas Meter



DR BY: R.A.
 APPROVED: B.N.E.
 SCALE: 3/16" = 1'-0"

FIGURE 4 - Regulated Building Materials
 CENTRAL 70 - Structure Survey Assessment Map
 AP-78
 4625 Fillmore St., Denver, CO
 June 1, 2018
 APEC #: 18-3066

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A

ASBESTOS, LEAD AND
LABORATORY CERTIFICATIONS





Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Logan Greenfield

Certification No.: 20715

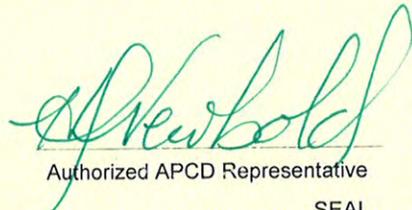
has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Building Inspector*

Issued: October 18, 2017

Expires: October 18, 2018

** This certificate is valid only with the possession of a
current Division-approved training course certification
in the discipline specified above.*


Authorized APCD Representative
SEAL



Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Logan Greenfield

Certification No.: 20715

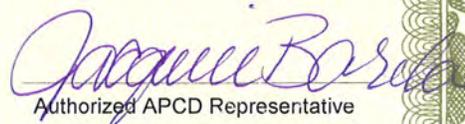
has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Building Inspector*

Issued: September 13, 2018

Expires: October 18, 2019

** This certificate is valid only with the possession of a
current Division-approved training course certification
in the discipline specified above.*


Authorized APCD Representative

SEAL



1775 West 55th Avenue
Denver, CO 80221
303.410.4941
trainingchc.com



Certifies that

Logan Greenfield

20715

*Has Successfully Completed the EPA- Approved Annual Asbestos Refresher Training Course
Under Section 206 of the Toxic Substance Control Act (TSCA), Title II.*

BUILDING INSPECTOR

Course Date: September 20, 2017
Certificate No.: R17-1661-AI-CO
No. of Hours: 4
Expiration Date: September 20, 2018
Certification not valid without watermark

A handwritten signature in black ink that reads "Frank Hulce".

Frank Hulce - Instructor

A handwritten signature in black ink that reads "Danaya Benedetto".

Danaya Benedetto- Training Program Manager



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United States of America

CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

LOGAN GREENFIELD

In recognition of satisfactory completion of the EPA-approved annual asbestos
refresher training course under section 206 of the Toxic Substance Control Act (TSCA),

Title II entitled:

BUILDING INSPECTOR

COURSE DATE:

SEPTEMBER 12, 2018

EXPIRATION DATE

SEPTEMBER 12, 2019

COURSE HOURS:

4.0



Verify this Credential

Danaya N. Benedetto
CEO & Training Program Manager

Credential License ID:
11943552



Daniel R. Beaver
Instructor

CHC Training Certificate No.
R18-1729-AI-CO



Visit our Website



Colorado Department
of Public Health
and Environment

LEAD-BASED PAINT CERTIFICATION*

This certifies that

Richard L. Ralston

Certification No.: 9130

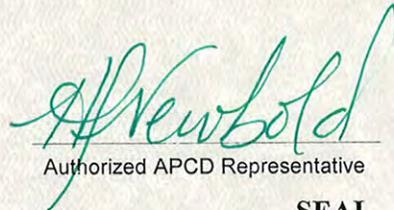
has met the requirements of 25-7-1104, C.R.S. and Air Quality Control
Commission Regulation No. 19, and is hereby certified by the state of
Colorado in the following discipline:

Risk Assessor*

Issued: February 10, 2017

Expires: February 10, 2019

** This certificate is valid only with the possession of a valid
lead-based paint training certificate in the discipline specified
above, issued by either a Colorado approved training provider,
an EPA approved training provider, or a training provider
approved by another EPA authorized program.*


Authorized APCD Representative

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1775 West 55th Avenue
Denver, CO 80221
303.410.4941
trainingchc.com



Certifies that

Richard Ralston

Has successfully completed the required training hours and passed the examination required by the Colorado Department of Public Health and Environment for:

Lead-Based Paint Risk Assessor Refresher

For the purposes of accreditation under the Colorado Department of Public Health and Environment Regulation No. 19 and other standard developed by EPA pursuant to Title IV of TSCA

Course Date: April 6, 2016
Certificate No.: R16-031-LRA-CO
No. of Hours: 8
Expiration Date: April 6, 2019
Certification not valid without watermark

Luis E. Peon

Luis Peon - Instructor

Danaya Benedetto

Danaya Benedetto - Training Program Manager

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200828-0

EMSL Analytical, Inc.
Denver, CO

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2018-04-01 through 2019-03-31

Effective Dates

A handwritten signature in black ink, appearing to read 'Dana S. Haman', is written over a horizontal line.

For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.

1010 Yuma Street
Denver, CO 80204
Ms. Amanda Lang
Phone: 303-740-5700
Email: alang@emsl.com
<http://www.emsl.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200828-0

Bulk Asbestos Analysis

| <u>Code</u> | <u>Description</u> |
|-------------|---|
| 18/A01 | EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples |
| 18/A03 | EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials |

Airborne Asbestos Analysis

| <u>Code</u> | <u>Description</u> |
|-------------|--|
| 18/A02 | U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A. |

For the National Voluntary Laboratory Accreditation Program



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: 100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- | | |
|---|---|
| <input checked="" type="checkbox"/> INDUSTRIAL HYGIENE | Accreditation Expires: September 01, 2018 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL LEAD | Accreditation Expires: September 01, 2018 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL MICROBIOLOGY | Accreditation Expires: September 01, 2018 |
| <input type="checkbox"/> FOOD | Accreditation Expires: |
| <input type="checkbox"/> UNIQUE SCOPES | Accreditation Expires: |

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

William Walsh, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 15: 03/30/2016

Date Issued: 08/31/2016



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: **100194**

Issue Date: 08/31/2016

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 01/18/1995

| Field of Testing (FoT) | Technology sub-type/ Detector | Method | Method Description <i>(for internal methods only)</i> |
|-----------------------------|----------------------------------|------------------|--|
| Paint | | EPA SW-846 3050B | |
| | | EPA SW-846 7000B | |
| Soil | | EPA SW-846 3050B | |
| | | EPA SW-846 7000B | |
| Settled Dust by Wipe | | EPA SW-846 3050B | |
| | | EPA SW-846 7000B | |
| Airborne Dust | | NIOSH 7082 | |
| Composited Wipes | | EPA SW-846 3050B | |
| | | EPA SW-846 7000B | |

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

B

POSITIVE ASBESTOS & LEAD
SAMPLE MATERIAL
PHOTOGRAPHS





Knockdown Textured Drywall

Samples Represented –
4625F-R3-TD1A
4625F-R4-TD1B
4625F-R7-TD1C
4625F-R7-TD1D
4625F-R8-TD1E
4625F-R6-TD1F
4625F-R2-TD1G



Window Glazing

Samples Represented –
4625F-EX-WG7A
4625F-EX-WG7B
4625F-EX-WG7C



Linoleum

Samples Represented –
4625F-R1-L8A
4625F-R1-L8B
4625F-R1-L8C



Sample Represented –
4625-L-1

Brown - LCP



Sample Represented –
4625-L-2

White - LCP



Sample Represented –
4625-L-3

Fawn - LBP



Dark Brown - LCP

Sample Represented –
4625-L-5



Brown - LBP

Sample Represented –
4625-L-17

C

LABORATORY RESULTS &
CHAIN OF CUSTODY-
ASBESTOS





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<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221803991
Customer ID: ALLP62
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Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
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Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 06/04/2018 9:45 AM
Analysis Date: 06/08/2018 - 06/09/2018
Collected Date:
Project: 18-3066-CDOT-A-AP78

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--|----------------------------|---|---------------------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 4625F-R3-TD1A-Texture 1 221803991-0001 | Knockdown textured drywall | Tan/White Non-Fibrous Heterogeneous | | 15% Ca Carbonate 85% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-R3-TD1A-Texture 2 221803991-0001A | Knockdown textured drywall | White Non-Fibrous Heterogeneous | | 15% Ca Carbonate 85% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-R3-TD1A-Tape 221803991-0001B | Knockdown textured drywall | Beige Fibrous Homogeneous | 98% Cellulose | 2% Non-fibrous (Other) | None Detected |
| 4625F-R3-TD1A-Joint Compound 221803991-0001C | Knockdown textured drywall | White Non-Fibrous Homogeneous | | 15% Ca Carbonate 85% Non-fibrous (Other) | None Detected |
| 4625F-R3-TD1A-Drywall 221803991-0001D | Knockdown textured drywall | Brown/Beige Fibrous Homogeneous | 15% Cellulose 2% Glass | 70% Gypsum 13% Non-fibrous (Other) | None Detected |
| 4625F-R4-TD1B-Texture 221803991-0002 | Knockdown textured drywall | White Non-Fibrous Heterogeneous | | 15% Ca Carbonate 85% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-R4-TD1B-Drywall 221803991-0002A | Knockdown textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose | 70% Gypsum 15% Non-fibrous (Other) | None Detected |
| 4625F-R7-TD1C-Texture 1 221803991-0003 | Knockdown textured drywall | Tan/White Non-Fibrous Heterogeneous | | 100% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Report amended: 06/09/2018 13:00:53 Replaces initial report from: 06/09/2018 13:00:53 Reason Code: Client-Additional Analysis



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Received Date: 06/04/2018 9:45 AM
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Collected Date:
Project: 18-3066-CDOT-A-AP78

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--|----------------------------|---|---------------|---|----------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 4625F-R7-TD1C-Texture 2 221803991-0003A | Knockdown textured drywall | Beige Non-Fibrous Heterogeneous | | 100% Non-fibrous (Other) | <1% Chrysotile |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-R7-TD1C-Tape 221803991-0003B | Knockdown textured drywall | Beige Fibrous Homogeneous | 98% Cellulose | 2% Non-fibrous (Other) | None Detected |
| 4625F-R7-TD1C-Joint Compound 221803991-0003C | Knockdown textured drywall | Beige Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | <1% Chrysotile |
| 4625F-R7-TD1C-Drywall 221803991-0003D | Knockdown textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose | 70% Gypsum 15% Non-fibrous (Other) | None Detected |
| 4625F-R7-TD1D-Texture 221803991-0004 | Knockdown textured drywall | White Non-Fibrous Heterogeneous | | 15% Ca Carbonate 85% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-R7-TD1D-Drywall 221803991-0004A | Knockdown textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose | 70% Gypsum 15% Non-fibrous (Other) | None Detected |
| 4625F-R8-TD1E-Texture 1 221803991-0005 | Knockdown textured drywall | White/Red Non-Fibrous Heterogeneous | | 20% Ca Carbonate 80% Non-fibrous (Other) | None Detected |
| 4625F-R8-TD1E-Texture 2 221803991-0005A | Knockdown textured drywall | Tan Non-Fibrous Homogeneous | | 98% Non-fibrous (Other) | 2% Chrysotile |
| 4625F-R8-TD1E-Drywall 221803991-0005B | Knockdown textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose | 65% Gypsum 20% Non-fibrous (Other) | None Detected |

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Report amended: 06/09/2018 13:00:53 Replaces initial report from: 06/09/2018 13:00:53 Reason Code: Client-Additional Analysis



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Fax: (719) 542-2807
Received Date: 06/04/2018 9:45 AM
Analysis Date: 06/08/2018 - 06/09/2018
Collected Date:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--|----------------------------------|--|---------------------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 4625F-R6-TD1F-Texture 221803991-0006 | Knockdown textured drywall | White Non-Fibrous Heterogeneous | | 20% Ca Carbonate 80% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-R6-TD1F-Drywall 221803991-0006A | Knockdown textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose | 65% Gypsum 20% Non-fibrous (Other) | None Detected |
| 4625F-R2-TD1G-Texture 221803991-0007 | Knockdown textured drywall | White/Blue Non-Fibrous Heterogeneous | | 20% Ca Carbonate 80% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-R2-TD1G-Drywall 221803991-0007A | Knockdown textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose | 75% Gypsum 10% Non-fibrous (Other) | None Detected |
| 4625F-R5-TD2A-Texture 221803991-0008 | Heavy knockdown textured drywall | White Non-Fibrous Heterogeneous | | 5% Ca Carbonate 95% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-R5-TD2A-Tape 221803991-0008A | Heavy knockdown textured drywall | Beige Fibrous Homogeneous | 98% Cellulose | 2% Non-fibrous (Other) | None Detected |
| 4625F-R5-TD2A-Joint Compound 221803991-0008B | Heavy knockdown textured drywall | White Non-Fibrous Homogeneous | | 5% Ca Carbonate 95% Non-fibrous (Other) | None Detected |
| 4625F-R5-TD2A-Drywall 221803991-0008C | Heavy knockdown textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose 2% Glass | 70% Gypsum 13% Non-fibrous (Other) | None Detected |
| 4625F-R1-TD2B-Texture 1 221803991-0009 | Heavy knockdown textured drywall | White Non-Fibrous Heterogeneous | | 25% Ca Carbonate 75% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Report amended: 06/09/2018 13:00:53 Replaces initial report from: 06/09/2018 13:00:53 Reason Code: Client-Additional Analysis



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Collected Date:
Project: 18-3066-CDOT-A-AP78

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--|----------------------------------|---|---------------------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 4625F-R1-TD2B-Texture 2 221803991-0009A | Heavy knockdown textured drywall | Non-Fibrous Heterogeneous | | 25% Ca Carbonate 75% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-R1-TD2B-Dry wall 221803991-0009B | Heavy knockdown textured drywall | Brown/Beige Fibrous Homogeneous | 15% Cellulose 2% Glass | 70% Gypsum 13% Non-fibrous (Other) | None Detected |
| 4625F-R1-TD2C-Texture 221803991-0010 | Heavy knockdown textured drywall | White Non-Fibrous Heterogeneous | | 20% Ca Carbonate 80% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-R1-TD2C-Dry wall 221803991-0010A | Heavy knockdown textured drywall | Brown/Pink Fibrous Homogeneous | 15% Cellulose | 65% Gypsum 20% Non-fibrous (Other) | None Detected |
| 4625F-C1-TD3A-Texture 221803991-0011 | Smooth textured drywall | Tan/Green Non-Fibrous Heterogeneous | 4% Fibrous_Other | 96% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-C1-TD3A-Dry wall 221803991-0011A | Smooth textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose | 70% Gypsum 15% Non-fibrous (Other) | None Detected |
| 4625F-C1-TD3B-Texture 221803991-0012 | Smooth textured drywall | Tan/Green Non-Fibrous Heterogeneous | 4% Fibrous_Other | 96% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-C1-TD3B-Dry wall 221803991-0012A | Smooth textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose | 70% Gypsum 15% Non-fibrous (Other) | None Detected |

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Report amended: 06/09/2018 13:00:53 Replaces initial report from: 06/09/2018 13:00:53 Reason Code: Client-Additional Analysis



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Collected Date:

Project: 18-3066-CDOT-A-AP78

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--|-------------------------|---|---------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 4625F-C1-TD3C-Texture 221803991-0013 | Smooth textured drywall | White/Green Non-Fibrous Heterogeneous | | 10% Ca Carbonate 90% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-C1-TD3C-Drywall 221803991-0013A | Smooth textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose | 65% Gypsum 20% Non-fibrous (Other) | None Detected |
| 4625F-G-TD4A-Texture 221803991-0014 | Textured drywall | White Non-Fibrous Heterogeneous | | 20% Ca Carbonate 80% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-G-TD4A-Drywall 221803991-0014A | Textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose | 70% Gypsum 15% Non-fibrous (Other) | None Detected |
| 4625F-G-TD4B-Texture 221803991-0015 | Textured drywall | White Non-Fibrous Heterogeneous | | 20% Ca Carbonate 80% Non-fibrous (Other) | None Detected |
| Inseparable paint / coating layer included in analysis | | | | | |
| 4625F-G-TD4B-Tape 221803991-0015A | Textured drywall | Beige Fibrous Homogeneous | 98% Cellulose | 2% Non-fibrous (Other) | None Detected |
| 4625F-G-TD4B-Joint Compound 221803991-0015B | Textured drywall | White Non-Fibrous Homogeneous | | 20% Ca Carbonate 80% Non-fibrous (Other) | None Detected |
| 4625F-G-TD4B-Drywall 221803991-0015C | Textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose | 70% Gypsum 15% Non-fibrous (Other) | None Detected |
| 4625F-G-TD4C-Texture 221803991-0016 | Textured drywall | White Non-Fibrous Homogeneous | | 10% Ca Carbonate 90% Non-fibrous (Other) | None Detected |

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Collected Date:
Project: 18-3066-CDOT-A-AP78

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--|------------------|---------------------------------------|---------------|---------------------------------------|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 4625F-G-TD4C-Dry wall 221803991-0016A | Textured drywall | Brown/White Fibrous Homogeneous | 15% Cellulose | 60% Gypsum 25% Non-fibrous (Other) | None Detected |
| 4625F-C1-VW5A-W rap 221803991-0017 | Vent wrap | Gray/White Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (Other) | None Detected |
| 4625F-C1-VW5A-M astic 221803991-0017A | Vent wrap | Tan Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 4625F-C1-VW5B-W rap 221803991-0018 | Vent wrap | Gray/White Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (Other) | None Detected |
| 4625F-C1-VW5B-M astic 221803991-0018A | Vent wrap | Tan Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 4625F-C1-VW5C-W rap 221803991-0019 | Vent wrap | Gray/White Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 4625F-C1-VW5C-M astic 221803991-0019A | Vent wrap | Tan Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 4625F-R3-F6A-Bro wn Mastic 221803991-0020 | Flooring/Mastic | Brown Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 4625F-R3-F6A-Floo ring 221803991-0020A | Flooring/Mastic | Brown/Beige Fibrous Homogeneous | 60% Cellulose | 40% Non-fibrous (Other) | None Detected |
| 4625F-R3-F6A-Tan Mastic 221803991-0020B | Flooring/Mastic | Tan Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |

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Project: 18-3066-CDOT-A-AP78

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--|-----------------|---|---------------|--------------------------|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 4625F-R3-F6Q-Flooring ring 221803991-0021 | Flooring/Mastic | Brown/Beige Fibrous Homogeneous | 55% Cellulose | 45% Non-fibrous (Other) | None Detected |
| 4625F-R3-F6Q-Mastic 1 221803991-0021A | Flooring/Mastic | Brown/Tan Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 4625F-R3-F6Q-Mastic 2 221803991-0021B | Flooring/Mastic | Brown Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 4625F-R3-F6B-Flooring 1 221803991-0022 | Flooring/Mastic | Brown/Beige Fibrous Homogeneous | 55% Cellulose | 45% Non-fibrous (Other) | None Detected |
| 4625F-R3-F6B-Mastic 1 221803991-0022A | Flooring/Mastic | Brown Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 4625F-R3-F6B-Backing 221803991-0022B | Flooring/Mastic | Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (Other) | None Detected |
| 4625F-R3-F6B-Mastic 2 221803991-0022C | Flooring/Mastic | Brown Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 4625F-R4-F6C-Mastic 1 221803991-0023 | Flooring/Mastic | Tan Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 4625F-R4-F6C-Flooring 221803991-0023A | Flooring/Mastic | Brown/Tan Fibrous Homogeneous | 35% Cellulose | 65% Non-fibrous (Other) | None Detected |
| 4625F-R4-F6C-Mastic 2 221803991-0023B | Flooring/Mastic | Brown Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Report amended: 06/09/2018 13:00:53 Replaces initial report from: 06/09/2018 13:00:53 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221803991
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 06/04/2018 9:45 AM
Analysis Date: 06/08/2018 - 06/09/2018
Collected Date:

Project: 18-3066-CDOT-A-AP78

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--|-----------------|---------------------------------------|--------------------------------|---|----------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 4625F-R4-F6C-Back ing 221803991-0023C | Flooring/Mastic | Black Fibrous Homogeneous | 60% Cellulose 10% Synthetic | 30% Non-fibrous (Other) | None Detected |
| 4625F-EX-WG7A 221803991-0024 | Window Glazing | Gray Non-Fibrous Homogeneous | | 98% Non-fibrous (Other) | 2% Chrysotile |
| 4625F-EX-WG7B 221803991-0025 | Window Glazing | Gray Non-Fibrous Homogeneous | | 98% Non-fibrous (Other) | 2% Chrysotile |
| 4625F-EX-WG7C 221803991-0026 | Window Glazing | Gray Non-Fibrous Homogeneous | | 98% Non-fibrous (Other) | 2% Chrysotile |
| 4625F-R1-L8A 221803991-0027 | Linoleum | Beige Fibrous Homogeneous | 20% Cellulose | 65% Non-fibrous (Other) | 15% Chrysotile |
| 4625F-R1-L8B-Floor ing 221803991-0028 | Linoleum | Brown/Beige Fibrous Homogeneous | | 20% Ca Carbonate 65% Non-fibrous (Other) | 15% Chrysotile |
| 4625F-R1-L8B-Mast ic 221803991-0028A | Linoleum | Tan Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 4625F-R1-L8C-Floor ing 221803991-0029 | Linoleum | Gray/Tan Fibrous Homogeneous | 10% Cellulose | 75% Non-fibrous (Other) | 15% Chrysotile |
| 4625F-EX-R9A-Shin gle 221803991-0030 | Roofing-H | Black Fibrous Homogeneous | 10% Glass | 90% Non-fibrous (Other) | None Detected |
| 4625F-EX-R9A-Tar Paper 221803991-0030A | Roofing-H | Black Fibrous Homogeneous | 40% Cellulose | 60% Non-fibrous (Other) | None Detected |

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Report amended: 06/09/2018 13:00:53 Replaces initial report from: 06/09/2018 13:00:53 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221803991
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 06/04/2018 9:45 AM
Analysis Date: 06/08/2018 - 06/09/2018
Collected Date:
Project: 18-3066-CDOT-A-AP78

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--|-------------|---------------------------------------|---------------|-------------------------|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 4625F-EX-R9B-Shin gle 221803991-0031 | Roofing-H | Black Fibrous Homogeneous | 10% Glass | 90% Non-fibrous (Other) | None Detected |
| 4625F-EX-R9B-Tar Paper 221803991-0031A | Roofing-H | Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (Other) | None Detected |
| 4625F-EX-R9C-Shin gle 221803991-0032 | Roofing-H | Brown/Black Fibrous Homogeneous | 10% Glass | 90% Non-fibrous (Other) | None Detected |
| 4625F-EX-R9C-Tar Paper 221803991-0032A | Roofing-H | Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (Other) | None Detected |
| 4625F-EX-R10A 221803991-0033 | Roofing-S | Brown/Black Fibrous Homogeneous | 10% Glass | 90% Non-fibrous (Other) | None Detected |
| 4625F-EX-R10B 221803991-0034 | Roofing-S | Brown/Black Fibrous Homogeneous | 10% Glass | 90% Non-fibrous (Other) | None Detected |
| 4625F-EX-R10C 221803991-0035 | Roofing-S | Brown/Black Fibrous Homogeneous | 10% Glass | 90% Non-fibrous (Other) | None Detected |

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Report amended: 06/09/2018 13:00:53 Replaces initial report from: 06/09/2018 13:00:53 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221803991
Customer ID: ALLP62
Customer PO:
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Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 06/04/2018 9:45 AM
Analysis Date: 06/08/2018 - 06/09/2018
Collected Date:

Project: 18-3066-CDOT-A-AP78

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

| | | | |
|--------------------------|------------|--------------------------|----------|
| Sample Receipt Date: | 06/04/2018 | Sample Receipt Time: | 9:45 AM |
| Analysis Completed Date: | 06/09/2018 | Analysis Completed Time: | 12:40 PM |

Analyst(s):

Amanda Lang PLM (27)

Gentry Catlett PLM (53)

Samples Reviewed and approved by:

Amanda Lang, Asbestos Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Report amended: 06/09/2018 13:00:53 Replaces initial report from: 06/09/2018 13:00:53 Reason Code: Client-Additional Analysis



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

221803991

Denver, CO 80204
PHONE: (303) 740-5700
FAX (303) 741-1400

| | | | |
|--|--------------------|---|------------------------|
| Company: All-Phase Environmental Consultants, Inc. | | EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments**</small> | |
| Street: 721 W. 9th Street | | <i>Third Party Billing requires written authorization from third party</i> | |
| City: Pueblo | State/Province: CO | Zip/Postal Code: 81003 | Country: United States |
| Report To (Name): Logan Greenfield | | Telephone #: 719-250-0036 | |
| Email Address: logan@allphaseenvironmental.com | | Fax #: | Purchase Order: |
| Project Name/Number: 18-3066-CDDT-A-AP78 | | Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail | |
| U.S. State Samples Taken: CO | | Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential | |

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

| | | |
|---|---|--|
| PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA | TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 | TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) |
| PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%) | TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 | Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique |
| <input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group | | Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8um <input type="checkbox"/> 0.45um |

Samplers Name: Logan Greenfield Samplers Signature: [Signature]

| Sample # | Sample Description | Volume/Area (Air) HA # (Bulk) | Date/Time Sampled |
|---------------|----------------------------------|----------------------------------|----------------------|
| 4625F-R3-TDIA | Knockdown textured Drywall | --- | 6-1-18 |
| 4625F-R4-TDIB | ↓ | --- | ↓ |
| 4625F-R7-TDIC | | --- | |
| 4625F-R7-TDID | | --- | |
| 4625F-R8-TDIE | | --- | |
| 4625F-R6-TDIF | | --- | |
| 4625F-R2-TDIG | | --- | |
| 4625F-R5-TDZA | Heavy Knockdown textured Drywall | --- | |

| | | | |
|--------------------------------|---------------------------|---------------------|--------|
| Client Sample # (s): | - | Total # of Samples: | 35 |
| Relinquished (Client): | <u>[Signature]</u> | Date: | 6-1-18 |
| Received (Lab): | <u>MR</u> | Date: | 6/4/18 |
| Comments/Special Instructions: | EFE 7954 7364 8143 113 | | |



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody
EMSL Order Number (Lab Use Only)

221803991

Denver, CO 80204
Phone (303) 740-5700
Fax (303) 741-1400

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

| Sample # | Sample Description | Volume/Area (Air) HA # (Bulk) | Date/Time Sampled |
|---------------------------------|----------------------------------|----------------------------------|----------------------|
| 4625F-R1-TD2B | Heavy Knockdown textured Drywall | — | 6-1-18 |
| 4625F-R1-TD2C | ↓ | — | ↓ |
| 4625F-C1-TD3A | Smooth textured Drywall | — | |
| 4625F-C1-TD3B | ↓ | — | |
| 4625F-C1-TD3C | ↓ | — | |
| 4625F-G-TD4A | Textured Drywall | — | |
| 4625F-G-TD4B | ↓ | — | |
| 4625F-G-TD4C | ↓ | — | |
| 4625F-C1-VW5A | Vent Wrap | — | |
| 4625F-C1-VW5B | ↓ | — | |
| 4625F-C1-VW5C | ↓ | — | |
| 4625F-R3-F6A | Flooring / Mastic | — | |
| 4625F-R3-F6B | ↓ | — | |
| 4625F-R3-F6C | ↓ | — | |
| 4625F-R4-F6C | ↓ | — | |
| 4625F-EX-WG7A | Window Glazing | — | |
| 4625F-EX-WG7B | ↓ | — | |
| 4625F-EX-WG7C | ↓ | — | |
| 4625F-R1-L8A | Linoleum | — | |
| 4625F-R1-L8B | ↓ | — | |
| 4625F-R1-L8C | ↓ | — | |
| 4625F-EX-R9A | Roofing - H | — | |
| 4625F-EX-R9B | ↓ | — | |
| 4625F-EX-R9C | ↓ | — | |
| *Comments/Special Instructions: | | | |

D

LABORATORY RESULTS &
CHAIN OF CUSTODY -
LEAD & TCLP





EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

cinnaminsonleadlab@emsl.com

| | |
|-------------|-----------|
| EMSL Order: | 201805986 |
| CustomerID: | ALLP62 |
| CustomerPO: | |
| ProjectID: | |

Attn: **Richard Ralston**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO

Phone: (719) 225-6953
 Fax: (719) 542-2807
 Received: 06/04/18 10:20 AM
 Collected: 6/1/2018

Project: **18-3066-C70-L-AP-78**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

| <i>Client Sample Description</i> | <i>Lab ID</i> | <i>Collected</i> | <i>Analyzed</i> | <i>Weight</i> | <i>Lead Concentration</i> |
|--|----------------|------------------|-----------------|---------------|---------------------------|
| 4625F-L-1 Site: Floor Wood Room 7- Brown | 201805986-0001 | 6/1/2018 | 6/6/2018 | 0.1310 g | 0.071 % wt |
| 4625F-L-2 Site: Wood Window Sash Room 7- White | 201805986-0002 | 6/1/2018 | 6/6/2018 | 0.2588 g | 0.057 % wt |
| 4625F-L-3 Site: Window Sash- Wood Room 7- Fawn | 201805986-0003 | 6/1/2018 | 6/6/2018 | 0.2525 g | 0.89 % wt |
| 4625F-L-4 Site: (S) Wall- Drywall Room 7- Tan | 201805986-0004 | 6/1/2018 | 6/6/2018 | 0.2538 g | <0.0080 % wt |
| 4625F-L-5 Site: Wood Trim Around Exit Door Room 7- Dark Brown | 201805986-0005 | 6/1/2018 | 6/6/2018 | 0.2550 g | 0.45 % wt |
| 4625F-L-6 Site: Drywall- Archway Room 7- Light Tan | 201805986-0006 | 6/1/2018 | 6/6/2018 | 0.2554 g | <0.0080 % wt |
| 4625F-L-7 Site: Drywall- Laundry Room 4- Gray | 201805986-0007 | 6/1/2018 | 6/6/2018 | 0.2519 g | <0.0080 % wt |
| 4625F-L-8 Site: Wooden Cabinet Room 1- Brown/Shelac | 201805986-0008 | 6/1/2018 | 6/6/2018 | 0.0586 g | <0.034 % wt |
| 4625F-L-9 Site: Drywall (N) Wall Room 1- Lilac | 201805986-0009 | 6/1/2018 | 6/6/2018 | 0.2559 g | <0.0080 % wt |
| 4625F-L-10 Site: Drywall (N) Wall Room 1- Yellow | 201805986-0010 | 6/1/2018 | 6/6/2018 | 0.2587 g | <0.0080 % wt |
| 4625F-L-11 Site: Drywall (W) Wall Room 2- Dark Blue | 201805986-0011 | 6/1/2018 | 6/6/2018 | 0.2502 g | <0.0080 % wt |
| 4625F-L-12 Site: Drywall (S) Wall Room 6- Blue | 201805986-0012 | 6/1/2018 | 6/6/2018 | 0.2556 g | <0.0080 % wt |
| 4625F-L-13 Site: Drywall (S) Wall Room 6- Light Blue | 201805986-0013 | 6/1/2018 | 6/6/2018 | 0.2532 g | <0.0080 % wt |
| 4625F-L-14 Site: Drywall Room 8- Pink Dark | 201805986-0014 | 6/1/2018 | 6/6/2018 | 0.2511 g | 0.017 % wt |
| 4625F-L-15 Site: Drywall Closet C3- Light Pink | 201805986-0015 | 6/1/2018 | 6/6/2018 | 0.2580 g | <0.0080 % wt |

Phillip Worby, Lead Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 06/07/2018 09:47:53

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>cinnaminsonleadlab@emsl.com

| | |
|-------------|-----------|
| EMSL Order: | 201805986 |
| CustomerID: | ALLP62 |
| CustomerPO: | |
| ProjectID: | |

Attn: **Richard Ralston**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO

Phone: (719) 225-6953
 Fax: (719) 542-2807
 Received: 06/04/18 10:20 AM
 Collected: 6/1/2018

Project: 18-3066-C70-L-AP-78

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

| <i>Client Sample Description</i> | <i>Lab ID</i> | <i>Collected</i> | <i>Analyzed</i> | <i>Weight</i> | <i>Lead Concentration</i> |
|---|----------------|------------------|-----------------|---------------|---------------------------|
| 4625F-L-16 | 201805986-0016 | 6/1/2018 | 6/6/2018 | 0.2523 g | 0.023 % wt |
| Site: Wood- Edging Front House- Black | | | | | |
| 4625F-L-17 | 201805986-0017 | 6/1/2018 | 6/6/2018 | 0.2535 g | 5.8 % wt |
| Site: Metal Down Spout (NE) Corner- Brown | | | | | |

Phillip Worby, Lead Laboratory Manager
 or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 06/07/2018 09:47:53



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING
LABORATORY PRODUCTS TRAINING

Lead (Pb) Chain of Custody
EMSL Order ID (Lab Use Only):

201805986

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

| Company: All-Phase Environmental Consultants, Inc | | EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments** | | |
|---|----------------------------------|--|----------------------------------|--------------------------|
| Street: 721 West 9th Street | | Third Party Billing requires written authorization from third party | | |
| City: Pueblo | State/Province: CO | Zip/Postal Code: 81003 | Country: US | |
| Report To (Name): Richard Ralston | | Telephone #: 7192256953 | | |
| Email Address: rick@allphaseenvironmental.com | | Fax #: 719-542-2807 | Purchase Order: | |
| Project Name/Number: 18-3066-C70-L-AP- 7B | | Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email | | |
| U.S. State Samples Taken: CO | | CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt | | |
| Turnaround Time (TAT) Options* - Please Check | | | | |
| <input type="checkbox"/> 3 Hour | <input type="checkbox"/> 6 Hour | <input type="checkbox"/> 24 Hour | <input type="checkbox"/> 48 Hour | |
| <input checked="" type="checkbox"/> 72 Hour | <input type="checkbox"/> 96 Hour | <input type="checkbox"/> 1 Week | <input type="checkbox"/> 2 Week | |
| <small>*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide</small> | | | | |
| Matrix | Method | Instrument | Reporting Limit | Check |
| Chips <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm (mg/kg) | SW846-7000B | Flame Atomic Absorption | 0.01% | <input type="checkbox"/> |
| Air | NIOSH 7082 | Flame Atomic Absorption | 4 µg/filter | <input type="checkbox"/> |
| | NIOSH 7105 | Graphite Furnace AA | 0.03 µg/filter | <input type="checkbox"/> |
| | NIOSH 7300M/NIOSH 7303 | ICP-OES | 0.5 µg/filter | <input type="checkbox"/> |
| Wipe* <input type="checkbox"/> ASTM non ASTM <input type="checkbox"/> <small>*if no box checked, non-ASTM Wipe assumed</small> | SW846-7000B | Flame Atomic Absorption | 10 µg/wipe | <input type="checkbox"/> |
| | SW846-6010B or C | ICP-OES | 1.0 µg/wipe | <input type="checkbox"/> |
| TCLP | SW846-1311/7000B/SM 3111B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| | SW846-1311/SW846-6010B or C | ICP-OES | 0.1 mg/L (ppm) | <input type="checkbox"/> |
| SPLP | SW846-1312/7000B/SM 3111B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| | SW846-1312/SW846-6010B or C | ICP-OES | 0.1 mg/L (ppm) | <input type="checkbox"/> |
| TTLIC | 22 CCR App. II, 7000B/7420 | Flame Atomic Absorption | 40 mg/kg (ppm) | <input type="checkbox"/> |
| | 22 CCR App. II, SW846-6010B or C | ICP-OES | 2 mg/kg (ppm) | <input type="checkbox"/> |
| STLC | 22 CCR App. II, 7000B/7420 | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| | 22 CCR App. II, SW846-6010B or C | ICP-OES | 0.1 mg/L (ppm) | <input type="checkbox"/> |
| Soil | SW846-7000B | Flame Atomic Absorption | 40 mg/kg (ppm) | <input type="checkbox"/> |
| | SW846-6010B or C | ICP-OES | 2 mg/kg (ppm) | <input type="checkbox"/> |
| Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/> | SM3111B/SW846-7000B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.9 | Graphite Furnace AA | 0.003 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.7 | ICP-OES | 0.020 mg/L (ppm) | <input type="checkbox"/> |
| Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/> | EPA 200.8 | ICP-MS | 0.001 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.9 | Graphite Furnace AA | 0.003 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.5 | ICP-OES | 0.003 mg/L (ppm) | <input type="checkbox"/> |
| TSP/SPM Filter | 40 CFR Part 50 | ICP-OES | 12 µg/filter | <input type="checkbox"/> |
| | 40 CFR Part 50 | Graphite Furnace AA | 3.6 µg/filter | <input type="checkbox"/> |
| Other: | | | | <input type="checkbox"/> |
| Name of Sampler: Rick Ralston | | Signature of Sampler: Ralston | | |
| Sample # | Location | Volume/Area | Date/Time Sampled | |
| 4625F-L-1 | Floor wood Room 7 | BROWN | June 1-2018 | |
| 4625F-L-2 | WOOD WINDOW SASH ROOM 7 | White | | |
| Client Sample #s: - | | Total # of Samples: 17 | | |
| Relinquished (Client): Ralston | Date: June 11-2018 | Time: 6:00 | | |
| Received (Lab): [Signature] | Date: 6/11/18 | Time: 10:20 | EMSL | |
| Comments: | | | | |
| <small>Bill To: All-Phase Environmental Consultants, Inc, 721 West 9th Street, Pueblo, CO, 81003, US Attention: Brandice Estinger Phone: 719-240-4690 Email: brandice@allphaseenvironmental.com Purchase Order.</small> | | | | |



EMSL ANALYTICAL, INC.
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LABORATORY • PRODUCTS • TRAINING

LEAD (Pb) CHAIN OF CUSTODY
EMSL ORDER ID (Lab Use Only):

201805986

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

| Sample # | Location | Volume/Area | Date/Time Sampled |
|---|---|--------------|-------------------|
| 3 | 4625F-L-3 window sash - wood Room 7 | FAWN | JUNE 1 2018 |
| 4 | 4625F-L-4 (S) wall - dry wall Room 7 | TAN | |
| 5 | 4625F-L-5 wood trim around exit door Room 7 | DARK BROWN | |
| 6 | 4625F-L-6 dry wall - archway Room 7 | light TAN | |
| 7 | 4625F-L-7 dry wall - laundry Room 4 | GRAY | |
| 8 | 4625F-L-8 wooden cabinet Room 1 | Brown/shelac | |
| 9 | 4625F-L-9 dry wall (N) wall Room 1 | Li Lac | |
| 10 | 4625F-L-10 dry wall (N) wall Room 1 | yellow | |
| 11 | 4625F-L-11 dry wall (S) wall Room #2 | DARK BLUE | |
| 12 | 4625F-L-12 dry wall (W) wall Room 6 | BLUE | |
| 13 | 4625F-L-13 dry wall (S) wall Room 6 | light blue | |
| 14 | 4625F-L-14 dry wall Room 8 | PINK DARK | |
| 15 | 4625F-L-15 dry wall closet C3 | light pink | |
| 16 | 4625F-L-16 wood - edging front house | black | |
| 17 | 4625F-L-17 metal down spout (NE) corner | BROWN | |
| <p>Comments/Special Instructions:</p> <p>Bill To: All-Phase Environmental Consultants, Inc. 721 West 9th Street, Pueblo, CO. 81003, US Attention: Brandice Eslinger Phone: 719-240-4690 Email: brandice@allphaseenvironmental.com Purchase Order:</p> | | | |



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

cinnaminsonleadlab@emsl.com

| | |
|-------------|-----------|
| EMSL Order: | 201805972 |
| CustomerID: | ALLP62 |
| CustomerPO: | |
| ProjectID: | |

Attn: **Richard Ralston**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO

Phone: (719) 225-6953
Fax: (719) 542-2807
Received: 06/04/18 10:20 AM
Collected: 6/1/2018

Project: 18-3066-C70-L-AP-78

Test Report: Toxicity Characteristic Leachate Procedure (1311/7000B)

| <i>Client Sample Description</i> | <i>Lab ID</i> | <i>Collected</i> | <i>Analyzed</i> | <i>Lead Concentration</i> |
|----------------------------------|----------------|------------------|-----------------|---------------------------|
| 4625F-TC-1 | 201805972-0001 | 6/1/2018 | 6/7/2018 | <0.40 mg/L |
| Site: TCLP | | | | |

Phillip Worby, Lead Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Initial report from 06/07/2018 12:46:51



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Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201805972

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

| Company: All-Phase Environmental Consultants, Inc | | EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments** | | |
|---|----------------------------------|--|----------------------------------|-------------------------------------|
| Street: 721 West 9th Street | | Third Party Billing requires written authorization from third party | | |
| City: Pueblo | State/Province: CO | Zip/Postal Code: 81003 | Country: US | |
| Report To (Name): Richard Ralston | | Telephone #: 7192256953 | | |
| Email Address: rick@allphaseenvironmental.com | | Fax #: 719-542-2807 | Purchase Order: | |
| Project Name/Number: 18-3066-C70-L-AP- 78 | | Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email | | |
| U.S. State Samples Taken: CO | | CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt | | |
| Turnaround Time (TAT) Options* - Please Check | | | | |
| <input type="checkbox"/> 3 Hour | <input type="checkbox"/> 6 Hour | <input type="checkbox"/> 24 Hour | <input type="checkbox"/> 48 Hour | |
| <input checked="" type="checkbox"/> 72 Hour | <input type="checkbox"/> 96 Hour | <input type="checkbox"/> 1 Week | <input type="checkbox"/> 2 Week | |
| <small>*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide</small> | | | | |
| Matrix | Method | Instrument | Reporting Limit | Check |
| Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm (mg/kg) | SW846-7000B | Flame Atomic Absorption | 0.01% | <input type="checkbox"/> |
| Air | NIOSH 7082 | Flame Atomic Absorption | 4 µg/filter | <input type="checkbox"/> |
| | NIOSH 7105 | Graphite Furnace AA | 0.03 µg/filter | <input type="checkbox"/> |
| | NIOSH 7300M/NIOSH 7303 | ICP-OES | 0.5 µg/filter | <input type="checkbox"/> |
| Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> <small>*if no box checked, non-ASTM Wipe assumed</small> | SW846-7000B | Flame Atomic Absorption | 10 µg/wipe | <input type="checkbox"/> |
| | SW846-6010B or C | ICP-OES | 1.0 µg/wipe | <input type="checkbox"/> |
| TCLP | SW846-1311/7000B/SM 3111B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input checked="" type="checkbox"/> |
| | SW846-1311/SW846-6010B or C | ICP-OES | 0.1 mg/L (ppm) | <input type="checkbox"/> |
| SPLP | SW846-1312/7000B/SM 3111B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| | SW846-1312/SW846-6010B or C | ICP-OES | 0.1 mg/L (ppm) | <input type="checkbox"/> |
| TTLIC | 22 CCR App. II, 7000B/7420 | Flame Atomic Absorption | 40 mg/kg (ppm) | <input type="checkbox"/> |
| | 22 CCR App. II, SW846-6010B or C | ICP-OES | 2 mg/kg (ppm) | <input type="checkbox"/> |
| STLC | 22 CCR App. II, 7000B/7420 | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| | 22 CCR App. II, SW846-6010B or C | ICP-OES | 0.1 mg/L (ppm) | <input type="checkbox"/> |
| Soil | SW846-7000B | Flame Atomic Absorption | 40 mg/kg (ppm) | <input type="checkbox"/> |
| | SW846-6010B or C | ICP-OES | 2 mg/kg (ppm) | <input type="checkbox"/> |
| Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/> | SM3111B/SW846-7000B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.9 | Graphite Furnace AA | 0.003 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.7 | ICP-OES | 0.020 mg/L (ppm) | <input type="checkbox"/> |
| Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/> | EPA 200.8 | ICP-MS | 0.001 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.9 | Graphite Furnace AA | 0.003 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.5 | ICP-OES | 0.003 mg/L (ppm) | <input type="checkbox"/> |
| TSP/SPM Filter | 40 CFR Part 50 | ICP-OES | 12 µg/filter | <input type="checkbox"/> |
| | 40 CFR Part 50 | Graphite Furnace AA | 3.6 µg/filter | <input type="checkbox"/> |
| Other: | | | | <input type="checkbox"/> |
| Name of Sampler: <i>Richard Ralston</i> | | Signature of Sampler: <i>R. Ralston</i> | | |
| Sample # | Location | Volume/Area | Date/Time Sampled | |
| <i>4625F-3C-1</i> | <i>TCLP</i> | <i>approx 1/2 lt</i> | <i>June 1-2018</i> | |
| Client Sample #s: - | | Total # of Samples: 1 | | |
| Relinquished (Client): <i>Richard Ralston</i> | Date: <i>June 1-2018</i> | Time: | | |
| Received (Lab): <i>Brandice Eslinger</i> | Date: <i>6/14/18</i> | Time: <i>1020</i> | <i>EMSL</i> | |
| Comments: | | | | |
| <small>Bill To: All-Phase Environmental Consultants, Inc, 721 West 9th Street, Pueblo, CO, 81003, US Attention: Brandice Eslinger Phone: 719-240-4690 Email: brandice@allphaseenvironmental.com Purchase Order:</small> | | | | |

6b. Asbestos Abatement Project Design



**Foothills
Environmental, Inc.**

Industrial Hygiene, Safety & Environmental Services

(Version 1, 10/11/18)

**ASBESTOS ABATEMENT
PROJECT DESIGN**

SINGLE FAMILY RESIDENCE ABATEMENT PROJECT

**4625 FILLMORE STREET
DENVER, COLORADO 80216**

PREPARED FOR:

**JKS Industries, LLC
747 Sheridan Blvd., #9A
Lakewood, Colorado 80214**

October 11, 2018

FEI Project Number: AS18207-2

Prepared By:

Nicolas D. Vasquez, CDPHE Cert #22566
Foothills Environmental

Foothills Environmental, Inc.
11099 W. 8th Ave.
Lakewood, Colorado 80215
Phone: 303-232-2660

Table of Contents

1.0 Scope of Work..... 4

 1.1 Materials Identified for Removal..... 4

 1.2 Schedule..... 4

 1.3 Sequence of Work..... 5

 1.4 Discussion of Removal Methods 5

2.0 Special Conditions 6

 2.1 Regulatory Notification and Variances..... 6

 2.2 Project Manager Requirement 6

 2.3 Facility Occupancy Status..... 6

 2.4 Site Security..... 6

 2.5 Field Changes 7

3.0 Project Design 7

 3.1 Standards and Primacy of Rules 7

 3.2 Site Access..... 7

 3.3 Utilities Service..... 7

 3.4 Decontamination Facilities & Load-Out Facilities 7

 3.5 Critical Barriers..... 8

 3.6 Negative Pressure Ventilation..... 8

 3.7 Air Exchange Calculations 8

 3.8 Containment Construction 8

 3.9 Set up of work areas..... 9

 Pre-Cleaning Activities 9

 3.10 Asbestos Removal..... 9

 3.11 Asbestos Spill Response 9

 3.12 Asbestos Waste Transportation, Storage, and Disposal.....10

 Waste Disposal:10

 Waste Transporter:10

 3.13 Final Clean/ Final Visual Inspection Criteria.....10

 3.14 Final Air Clearance Monitoring.....10

 3.15 Personal Exposure Air Monitoring11

 3.16 Electrical Hazards Control.....11

 3.17 Emergency Egress and Fire Protection11

 3.18 Fire Protection Plan11

 3.19 Fall Protection.....12

 3.20 Respiratory Protection / PPE12

 3.21 Work Area Protection12

 3.22 Additional PPE12

 3.23 Pre-Abatement Document Submittal12

APPENDIX A – Drawings

APPENDIX B – Certificates

1.0 Scope of Work

1.1 Materials Identified for Removal

The General Abatement Contractor (GAC) will be performing the removal of asbestos containing material(s) as indicated in the table below. This information was gathered from the inspection report prepared by All-Phase Environmental Consultants (APEC) dated July 6, 2018. A copy of the Inspection and this Project Design will be available onsite during the course of the project. The total amount of actual asbestos containing material to be removed is estimated to be greater than 160 sf/260 lf or the equivalent of a 55 gallon drum.

The following ACM was identified for removal prior to demolition:

Table 3-1 Positive Asbestos Containing Samples

| Sample Name | Sample Location | Lab Results/ Asbestos Type | Detection Method(s) | Condition | Material Description | Material Location | NESHAP Classification | Estimated Quantity (Sq. ft.) |
|--|-----------------|--|---------------------|-----------|----------------------------|--|-----------------------|------------------------------|
| 4625F-R7-TD1C | ROOM 7 | Texture <1% Chrysotile Joint <1% Chrysotile | PLM | Good | KNOCKDOWN TEXTURED DRYWALL | WALLS AND CEILINGS OF ROOMS 2,3,4,6,7,8 HALLWAY, CLOSET 2 AND CLOSET 3 | RACM | 3,530 |
| 4625F-R8-TD1E | ROOM 8 | Texture 2% Chrysotile | PLM | Good | | | RACM | |
| 4625F-R3-TD1A | ROOM 3 | HOMOGENEOUS TO SAMPLES 4625F-R7-TD1C & 4625F-R8-TD1E | | | | | | |
| 4625F-R4-TD1B | ROOM 4 | | | | | | | |
| 4626F-R7-TD1D | ROOM 7 | | | | | | | |
| 4625-R6-TD1F | ROOM 6 | | | | | | | |
| 4625-R2-TD1G | ROOM 2 | | | | | | | |
| 4625F-EX-WG7A | EXTERIOR | | | | | | | |
| 4625F-EX-WG7B | | Window Glazing 2% Chrysotile | PLM | Good | CAT II | | | |
| 4625F-EX-WG7C | | Window Glazing 2% Chrysotile | PLM | Good | CAT II | | | |
| 4625F-R1-L8A | ROOM 1 | Linoeum 15% Chrysotile | PLM | Good | LINOLEUM | FLOORING OF ROOM 1 | RACM | 336 |
| 4625F-R1-L8B | | Linoeum 15% Chrysotile | PLM | Good | | | RACM | |
| 4625F-R1-L8C | | Linoeum 15% Chrysotile | PLM | Good | | | RACM | |
| ND=Non-Detect PLM=Polarized Light Microscopy NA=Not Applicable RACM=Regulated Asbestos Containing Materials | | | | | | | | |

Regulatory asbestos abatement notification and permit from the Colorado Department of Public Health and Environment (CDPHE) will be required for this project.

1.2 Schedule

The following schedule has been proposed for the project. Phasing and dates are included in Section 1.3, Sequence of Work.

Project Start Date: October 23, 2018

Project Completion Date: November 6, 2018

1.3 Sequence of Work

The following phasing plan has been developed for the abatement. This plan was submitted with the permit application which corresponds to the drawing attached in Appendix A.

- **Phase 1** Start: October 23, 2018
Finish: November 6, 2018

Textured drywall and vinyl sheet flooring in all designated areas will be completed in one full containment.

Exterior window glazing compound removal will be completed separately utilizing special abatement methods prescribed in CDPHE Regulation No. 8. III.S.4. "Other Nonfriable Asbestos-Containing Materials"

1.4 Discussion of Removal Methods

All friable and non-friable asbestos-containing materials that will become friable, as well as asbestos contaminated materials that are located in the work area shall be removed from their installed locations inside a full containment and by utilizing wet removal methods and a combination of handheld tools. Nonfriable window glazing compound will be removed without containments, but using wet methods, hand tools, drop cloth, and protective clothing.

Waste generated during removal will be gathered placed into 2 6ml thick properly labeled disposal bags while wet. Work will be accomplished using CDPHE certified supervisors and workers.

Work completion includes preparation of the work area, pre-clean activities, removal and disposal of all specified ACM from the premises, final cleaning of the work area, final visual inspection, lockdown, and final clearance monitoring. The project will be considered complete when all containments and work areas have passed clearance criteria.

The following types of containments will be used during the project followed by procedures for setup and dismantling:

Full Containments

The GAC shall conduct abatement activities in accordance with CDPHE Regulation No. 8 in the following mandatory sequence for full containment:

- 1) Install critical barriers (pursuant to subsection III.I, Critical Barrier Installation)
- 2) Establish negative pressure (pursuant to Regulation No. 8 subsection III.J, Air Cleaning and Negative Pressure Requirements)

Note: The removal of non-ACM building materials and components may only take place after negative air pressure is established in the containment work area(s).

- 3) Construct the decontamination area (pursuant to subsection III.K, Decontamination Area)

- 4) Pre-clean surfaces (pursuant to subsection III.L, Pre-cleaning of Surfaces)
- 5) Cover fixed objects (pursuant to subsection III.M, Covering Fixed Objects)
- 6) Construct the containment (pursuant to subsection III.N, Containment Components)
- 7) Conduct abatement (pursuant to subsection III.O, Abatement Methods)
- 8) Conduct final visual inspection (pursuant to paragraph III.P.1., Final Visual Inspection)
- 9) Conduct final clearance air monitoring (pursuant to paragraph III.P.3., Final Clearance Air Monitoring)
- 10) Conduct the tear-down (pursuant to subsection III.Q., Tear-down)

All waste from the project will be packaged in approved containers and transferred to an approved landfill for disposal. After successful air clearance of each containment the containment can be removed and all non-reusable containment materials will be packaged for disposal. Only visual clearance will be required to verify complete removal of window glazing compound.

2.0 Special Conditions

2.1 Regulatory Notification and Variances

The General Abatement Contractor, (GAC) will make any required notifications to Federal and State entities regulating their work as required by applicable rules, regulations, and standards. This includes, but is not limited, to the National Emission Standards for Hazardous Air Pollutants (NESHAP) notification [notice provided to the Colorado Department of Public Health and Environment (CDPHE) with permit application]. *The abatement contractor is responsible for quantifying amounts of ACM necessary to properly complete the project.*

2.2 Project Manager Requirement

Colorado Regulation No. 8 requires a Project Manager on all asbestos abatement projects in which the amount of friable ACM to be abated exceeds 1,000 linear feet on pipes, or 3,000 square feet on other surfaces. A Project Manager is required for this project, unless a waiver is requested and granted by CDPHE.

2.3 Facility Occupancy Status

During abatement activities the building will not be occupied by the former tenants but may be visited by owner personnel as well as other tradesmen.

2.4 Site Security

Entry to the regulated asbestos work area is by permission only to authorized personnel. The perimeter of the work area may be monitored during abatement by a certified Air Monitoring Specialist (AMS). Only asbestos certified/licensed personnel employed by the GAC or federal or state regulatory agency personnel and the AMS will be allowed access to the work area. A logbook will be maintained at the entrance to the work area. Everyone who enters the work area must record name, affiliation, time in and time out for each entry.

2.5 Field Changes

Minor modifications to the project design are allowed. Minor changes include but are not limited to, relocation of negative air machines, decontamination facility and waste load-out. Any modifications to the project design must be approved by the Project Designer before the changes are made.

3.0 Project Design

3.1 Standards and Primacy of Rules

The following standards will be adopted as they pertain to asbestos abatement. In any instance where adopted standards are in conflict with each other, the most stringent shall apply.

- 1) Colorado Department of Public Health and Environment Regulation #8
- 2) 5CCR 1000-10 Part B asbestos handling, transportation, and storage
- 3) 29 CFR 1926.1101, the OSHA Construction Industry Asbestos Standard
- 4) 40 CFR 61 Subpart M, EPA's NESHAP Asbestos Standard
- 5) NIOSH/OSHA/EPA –“Occupational; Safety & Health Guidance Manual for Hazardous Waste Site Activities”, Section 8-20; Heat Stress and Other Physiological Factors.
- 6) All other applicable laws, rules, and regulations, including but not limited to those relating to:
 - 7 Workers' Compensation Insurance;
 - 8 Liability Insurance
 - 9 All contract specifications and documentation

3.2 Site Access

The GAC has access to the facility for the purpose of abatement from 6:30 AM to 5:00 PM until project completion which is projected to be 11/6/18.

3.3 Utilities Service

Access to electrical power, water and sanitary sewer is not available inside the facility. The contractor will provide utility services during the duration of the project. Any temporary utility lines running to the regulated asbestos work area shall be adequately protected from damage and abrasion from vehicle and foot traffic. All waste water shall be filtered to five (5) microns prior to discharge into a sanitary sewer.

GAC will have to provide temporary restrooms located close to the project site at approved locations for the duration of the project (to be placed in a protected area if possible).

3.4 Decontamination Facilities & Load-Out Facilities

Personnel decontamination facilities shall consist of an Equipment (Dirty) Room, Shower, and a clean room constructed in accordance with Regulation #8 III.K Decontamination Unit. If waste load out is by direct load out, it shall consist of a direct waste loadout configuration that is currently approved by CDPHE (Configuration diagram approved by CDPHE shall be attached to this Project Design if used).

All load-out and disposal procedures shall be in accordance with applicable federal, state, and local regulations and project specifications.

3.5 Critical Barriers

All critical barriers will consist of a minimum 1 layer of 6mil poly critical barrier on all, openings, and vents.

3.6 Negative Pressure Ventilation

The GAC shall maintain a negative pressure differential of -0.02 inches of water in the work areas in accordance with Regulation #8 III.J Air cleaning and Negative Pressure Requirements, until final visual and clearance air monitoring complete. The calculations in the next section take into account at least 1 backup Negative Air Machine (NAM) with HEPA filtration. The contractor will also be using generators for maintaining electrical supply. In the case of generator failure, all workers will leave the work area and seal the containment. A replacement generator will be available onsite or within an hour's time of the project for use in case of failure. Work will resume when negative pressure is restored. If negative pressure is not restored within an hour's time alternate means of electrical supply will be sought. If no supply is available, contractor will contact CDPHE and follow directions for spill response.

3.7 Air Exchange Calculations

AIR CHANGE CALCULATIONS *for a 2000 cfm negative air machine (NAM)*

$$AIR\ CHANGES = \frac{A}{B \times C} \quad \text{Where: } A = \text{Work area volume in cubic feet } (l \times w \times h)$$

$B = 15 \text{ minutes}$
 $C = \text{Estimated rated capacity of NAM (1,500 cfm)}$

Phase 1 – Textured Drywall and Floor Tiles (Full Containment 1)

$$\begin{aligned} A &= 40 \times 25 \times 9 = 9000 \text{ cubic feet} \\ B \times C &= 22,500 \\ \frac{9000}{22,500} &= 0.40 \end{aligned}$$

1 NAM required
2 NAM's recommended

3.8 Containment Construction

Containments for the asbestos removal shall be constructed in accordance with CDPHE Regulation 8 and this project design. Danger signs will be posted at ingress locations, and approaches to locations, where airborne concentrations of asbestos exceed or can reasonably be expected to exceed the PEL. Signs will be posted at a distance sufficiently far from the work area to permit an employee to read the sign and take the necessary protective measures to avoid exposure. Additional signs may need to be posted following construction of workplace containment barriers.

Danger signs will include the following wording:

**DANGER
ASBESTOS
CANCER AND LUNG DISEASE HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE CLOTHING ARE REQUIRED IN THIS AREA**

3.9 Set up of work areas

Full Containment Components

2"x 4"s wood studding can be used as temporary framing and 4' x 8' x 1/2" plywood sheets to support any exterior containment systems; this may include tie wires also where needed. 1 layer of 10 mil re-enforced poly sheeting will be utilized for any exterior critical barriers, negative air machines will be installed once the poly sheeting is installed. A full 3 stage decontamination unit equipped with hot and cold water, shampoo, disposable towels, and a 2 stage water filtration unit filter all water to 5 micron, prior to being discharged into the sanitary sewer system. Two layers of 4 mil poly sheeting will be installed within the 10 mill critical poly sheeting barriers as exterior walls and ceiling if needed. 2 layers of 6 mill poly sheeting will be placed on floors. View ports will be installed where appropriate with a minimum of 12" x 12" Plexi™ glass and or exterior windows.

Air flow testing utilizing smoke tubes will be performed to validate air flow direction and air exchanges.

Pre-Cleaning Activities

Pre-cleaning activities will be performed in accordance with CDPHE Regulation 8. All workers performing pre-cleaning must utilize HEPA equipped vacuums and wet methods. Any prepping activities that will contact non-friable ACM, or be within arms' reach of friable ACM must be accomplished by workers utilizing PPE.

3.10 Asbestos Removal

Removal of materials containing asbestos and contaminated with asbestos shall be performed in accordance with the Colorado Department of Public Health and Environment Regulation 8 III, Abatement, Renovation and Demolition Projects and this project design.

3.11 Asbestos Spill Response

In the event of a spill or a breach of the regulated work area containment, follow procedures in Section III.T. of Regulation No. 8, which includes cleaning the area outside the regulated work area. Visible debris shall be cleaned utilizing HEPA vacuuming and wet wiping plus an additional 10 horizontal feet beyond the visible debris. All filters, mop heads, and cloths utilized during clean-up activities shall be disposed of as asbestos contaminated waste in leak tight containers.

The GAC shall have available, equipment and supplies (HEPA filtered vacuum, airless sprayer with amended water, mops, rags, polyethylene sheeting, duct tape, caution tape...) for spill response in the event of accidental spill of materials containing asbestos.

In the event of an asbestos spill outside the work area containment the GAC shall:

- Make appropriate notices based on size of spill.
- Immediately wet the spilled material and surrounding area with the airless sprayer.
- Restrict access to the spill area and post warning signs to prevent entry to the area by persons other than those necessary to respond to the incident.
- Seal all openings between the contaminated and uncontaminated areas as directed by the asbestos consultant. This is to be accomplished by using polyethylene sheeting and tape.
- HEPA vacuum and wet clean all surfaces in the contaminated area.

Following completion of the above, the on sight Air Monitoring Specialist shall conduct a visual assessment of the spill area to confirm adequate cleaning has been accomplished by the GAC.

3.12 Asbestos Waste Transportation, Storage, and Disposal

All ACM waste must be wrapped in two layers of 6 mil polyethylene sheeting or double-bagged in 6 mil polyethylene bags labeled with the appropriate OSHA label for asbestos and must also bear the generator label as required by EPA's 40 CFR 61 Subpart M NESHAP Standard. Containerizing and transport of asbestos wastes shall be in accordance with applicable federal and state regulations.

The existing installed building finishes, hardscaping and landscaping shall be protected from damage by the GAC, until completion of all works.

Safety scaffolding, rubbish skips, access ladders etc. shall be approved by the client and in accordance with the current Health and Safety regulations.

GAC workers will not drag or drop packaged waste. All waste equipment and materials will be hand carried, or transported in wheeled carts to waste transport vehicles.

All packaged asbestos waste shall be directly loaded from the work area onto a 6mil polyethylene lined enclosed truck or dumpster container for disposal. No waste material may be temporarily stored in the building or the work area containment.

Waste Disposal:

All waste containers shall be transported from the permitted work areas to an approved disposal land fill by the GAC (Denver Aurora Disposal Site).

Waste Transporter:

By 5280 Waste Solutions.

3.13 Final Clean/ Final Visual Inspection Criteria

All interior surfaces of the work area will be free of visible dust and debris. The work area must pass a final visual inspection by a CDPHE Certified Air Monitoring Specialist (AMS) leaving only critical barriers in place.

3.14 Final Air Clearance Monitoring

Clearance criteria for this containment shall be in accordance with CDPHE Regulation #8, Section III.P

| For each work area within the project where the amount of ACM is: | State-Permitted Project in Non-School Building | |
|--|--|---------|
| | Minimum # of samples to clear each of the following: | |
| | Work Area | Project |
| Less than 3 square feet/3 linear feet | 1 | 5 |
| From 3 square feet/3 linear feet up to 32 square feet/50 linear feet/volume equivalent of a 55-gallon drum | 2 | 5 |
| Greater than 32 square feet/50 linear feet/volume equivalent of a 55-gallon drum up to 160 square feet/260 linear feet/volume equivalent of a 55-gallon drum | 5 | 5 |
| Greater than 160 square feet/260 linear feet/volume equivalent of a 55-gallon drum | 5 | 5 |

Upon notification that clearance monitoring levels are acceptable, the GAC may remove critical barriers and demobilize from the work area. If any samples collected for the final air test exceeds (0.01 fibers per cubic centimeter, 0.01 f/cm³ for PCM using the NIOSH Method 7400 or 70 structures per square millimeter (70 s/mm²) as analyzed by the TEM method in 40 C.F.R. Part 763 Appendix A to Subpart E (EPA 1995) the entire work area shall be re-cleaned immediately upon receipt of air test results.

Any failed abatement work area shall be re-tested and the costs associated for additional Final Clearance Air Monitoring shall be borne by the GAC at no additional cost to the Owner.

3.15 Personal Exposure Air Monitoring

The GAC shall be responsible for conducting personal exposure air-monitoring as applicable in accordance with OSHA 29 CFR 1926.1101 Asbestos Construction Standard. Contractor to supply results to personnel and will post results onsite.

3.16 Electrical Hazards Control

All electrical power utilized during the project will be on ground fault circuit interrupters (GFCI) whose power source is located outside the work area.

3.17 Emergency Egress and Fire Protection

The abatement contractor shall abide by the emergency egress rules for the facility. All contractor personnel shall receive emergency procedure orientation specific to the facility prior to initiation of abatement activities.

3.18 Fire Protection Plan

1. No items capable of initiating or sustaining combustion (lighters, matches, torches, etc.) will be allowed in containment.
2. The use of flammable liquids is not permitted.
3. Any electricity utilized must be on Ground Fault Circuit Interrupters (GFCI).
4. A minimum of one, 2A: 20B: C rated fire extinguishers will be maintained on-site. There must be available at least one 2A: 20B: C rated fire extinguisher within a maximum travel distance of 10 feet from any point in the work area.

5. Workers will be trained in the use of fire extinguishers, emergency egress plans, basic fire safety, and emergency reporting procedures prior to work beginning.
6. All emergency exits will be labeled as such with tools available for breaching poly and keys in door locks where necessary.
7. The Contractor must implement an emergency action and fire prevention plan in accordance with 29 CFR 1910.38 Employee emergency plans and fire prevention plans.

3.19 Fall Protection

The GAC shall provide proper fall protection and training for their employees when working above 6 feet of height in accordance with Occupational Safety and Health Administration 29 CFR Part 1926 Subpart M Fall Protection.

3.20 Respiratory Protection / PPE

The GAC shall provide proper respiratory protection for their employees with NIOSH approved HEPA filters during all pre-clean, abatement removal, waste load out procedures and during waste lift operations for effected employees. The GAC shall provide proof of medical fitness to wear respiratory protection and current fit testing documentation for all employees.

3.21 Work Area Protection

The GAC shall repair or replace, to the Owner's satisfaction, any damage caused by the GAC or GAC subcontractors, to existing finishes, landscaping, or other building components.

3.22 Additional PPE

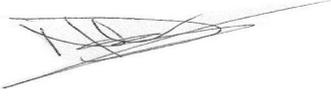
- Hooded Tyvek suits
- Safety Glasses with side shields (exception – not required when wearing a full face respirator).
- Leather Gloves
- Safety toe boots
- Fall Protection as required.
- PPE per MSDS / SDS requirements.

3.23 Pre-Abatement Document Submittal

The GAC shall provide the following submittals to the Owner's Asbestos Competent Person / Safety Department for approval prior to site mobilization.

- ✓ Copies of all worker AHERA / STATE certifications.
- ✓ Copies of all worker asbestos medical evaluations.
- ✓ Copies of all worker respirator fit tests.
- ✓ Copies of MSDS for all chemicals (spray-glue, encapsulant, surfactant etc.) that will be used
- ✓ Asbestos waste receipt / total.

Completed by:

A handwritten signature in black ink, appearing to read 'NDV', is written over a horizontal line.

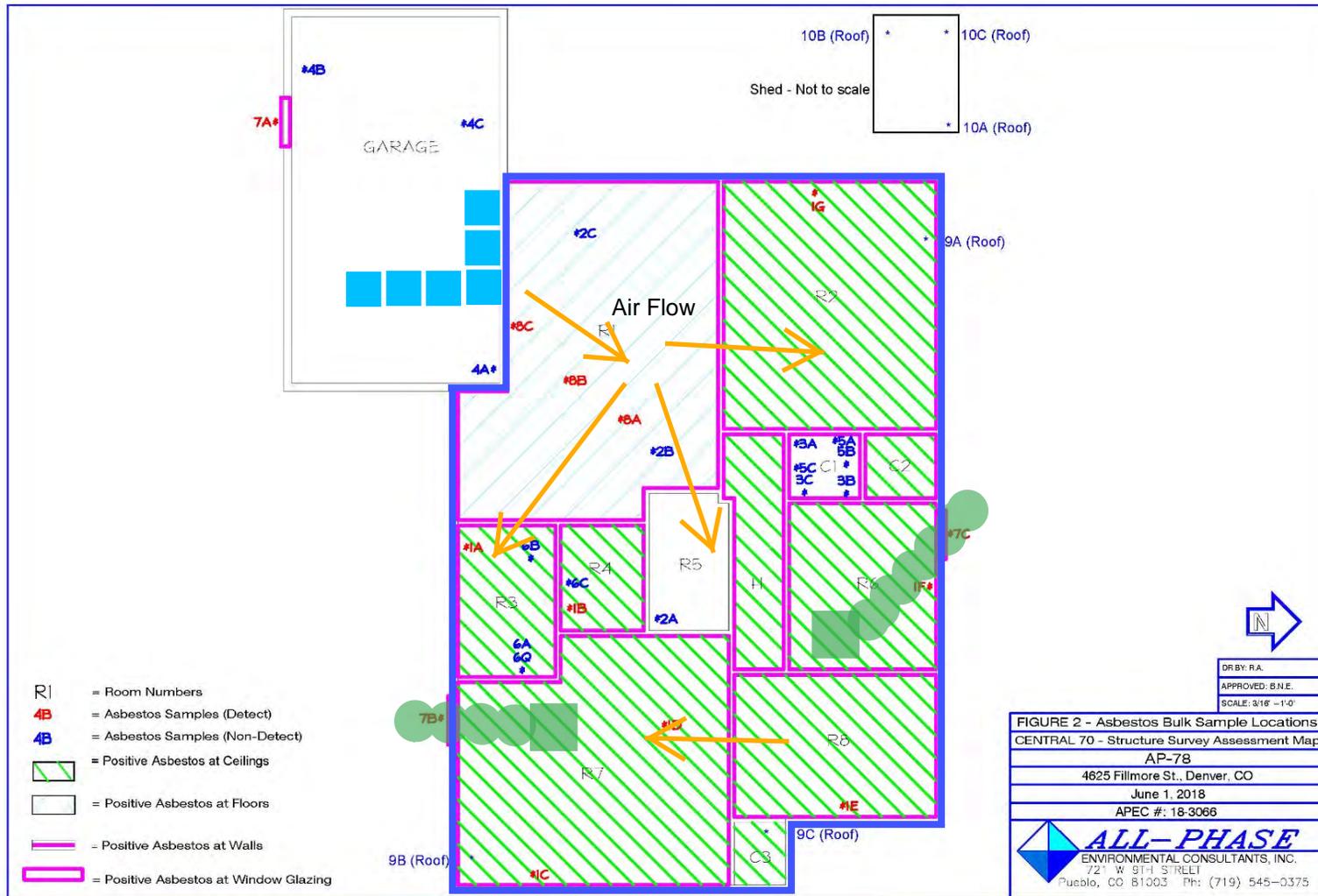
Nicolas D. Vasquez CDPHE Asbestos Project Designer Certificate # 22566

Foothills Environmental Asbestos Consulting Firm CDPHE Registration # 14925

Appendix A

Drawings

ABATEMENT IN FULL CONTAINMENT
(10/23/18 - 11/6/19)



Drawing excerpted from All-Phase Inspection

| | | | |
|--|---|----------------|---------------------------------|
| 4625 FILLMORE STREET DENVER, CO (Not to Scale) | FEI Project #AS18207-2 | Date: 10/11/18 | Figure 1 |
| | Approved by: DMB | Drawn By: NDV | |
| | Foothills Environmental, Inc. 11099 W 8 th Avenue Lakewood, CO 80215 | | Signature: CDPHE CERT #22566 |

Appendix B

Certificates



Colorado Department
of Public Health
and Environment

ASBESTOS CONSULTING FIRM

This certifies that

Foothills Environmental, Inc.

Registration No.: ACF - 14925

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos consulting activities as required under Regulation No 8, Part B, in the state of Colorado.

Issued: January 30, 2018

Expires: January 30, 2019

Authorized APCD Representative

SEAL



Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Nicolas Vasquez

Certification No.: 22566

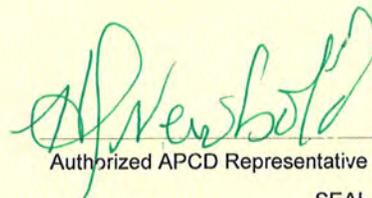
has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Project Designer*

Issued: February 08, 2018

Expires: February 08, 2019

** This certificate is valid only with the possession of a
current Division-approved training course certification
in the discipline specified above.*


Authorized APCD Representative

SEAL



CHC Training
Nationwide Training & Certification Experts
www.trainingchc.com
303.412.6360
(855) 60.CERTIFY

1775 West 55th Avenue
Denver, CO 80221,
United States of America

CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

NICOLAS VASQUEZ

In recognition of satisfactory completion of the EPA-approved annual asbestos refresher training course under section 206 of the Toxic Substance Control Act (TSCA) and Colorado Regulation No. 8 entitled

PROJECT DESIGNER

COURSE DATE:

DECEMBER 21, 2017

EXPIRATION DATE:

DECEMBER 21, 2018

COURSE HOURS:

8.0

Verify Credential



Danaya N. Benedetto
Co-Founder & CEO
Training Program Manager

Credential License ID: 11084750



Frank Hulce
Instructor

CHC Training Certificate No.
R17-2200-APD-CO

Visit our Website



6c. Pre-Demolition Engineering Survey

Pre-Demolition Survey
And General Demolition Plan
For
4625 Fillmore Street
Denver, CO 80216



Engineers: David A. Poe, P.E., S.E.
Glen L. Wilson, E.I.

July 2, 2018
Project No: 180113

❖ 2535 17TH STREET, DENVER, CO 80211 ❖ 303-783-4797 ❖ 303-830-9133 FAX ❖

July 2, 2018

Stephen P. Di Nardo
JKS Industries, LLC
747 Sheridan Blvd #9A
Lakewood, CO 80214

Re: 4625 Fillmore Street, Denver, CO 80216
Pre-Demolition Engineering Survey per OSHA 1926.850(a)
And General Demolition Plan

Date of Observation: 06/27/18

Dear Mr. Di Nardo:

At the request of JKS Industries (JKS), a representative from Anchor Engineering, Inc. (AEI) performed a site observation at the above-referenced structure on Wednesday, June 27, 2018.

For the purpose of this report, there are two buildings on the property. The front elevation of the residence faces east and is parallel to Fillmore Street. There is an attached garage at the southwest corner of the building. There is an unattached storage shed at the northwest corner of the property adjacent to the alley. At the time of our visit the buildings were vacant.

The purpose of our site visit was twofold:

1. To give an assessment of the current condition of the structures as it relates to structurally related hazards before the proposed demolition activities. OSHA 1926.850 is stated below, along with project specific applicability to the subject building.

- a. ***OSHA 1926.850(a):*** *Prior to permitting employees to start demolition operations, an engineering survey shall be made, by a competent person, of the structure to determine the condition of the framing, floors, and walls, and possibility of unplanned collapse of any portion of the structure. Any adjacent structure where employees may be exposed shall also be similarly checked. The employer shall have in writing evidence that such a survey has been performed.*

Project Specific Applicability: The information contained in this report satisfies the requirement of this guideline. The subcontractor shall review this report and make a copy available to all employees on the project at the pre-project meeting, and it shall also be included in the job site books.

- b. ***OSHA 1926.85(b):*** *When employees are required to work within a structure to be demolished which has been damaged by fire, flood, explosion, or other cause, the walls or floor shall be shored or braced.*

Project Specific Applicability: 4625 Fillmore Street, Denver, CO 80216 has not been damaged by any fire, flood, explosion, or any other event. Therefore, no shoring or bracing is required.

- c. ***OSHA 1926.850(c):*** *All electric, gas, water, steam, sewer, and other service lines shall be shut off, capped, or otherwise controlled, outside the building line before demolition work is started. In each case, any utility company which is involved shall be notified in advance.*

Project Specific Applicability: The contractor and subcontractor will ensure all electric, gas, water, steam, sewer, and other services are to be cut off prior to any work being performed. Contractor shall confirm with KMP through the pre-demolition check list and present the necessary information in the pre-demolition meetings.

- d. **OSHA 1926.850(d):** *If it is necessary to maintain any power, water or other utilities during demolition, such lines shall be temporarily relocated, as necessary, and protected.*

Project Specific Applicability: The demolition of 4625 Fillmore Street, Denver, CO 80216 does not require any power, water or other utilities.

- e. **OSHA 1926.850(e):** *It shall also be determined if any type of hazardous chemicals, gases, explosives, flammable materials, or similarly dangerous substances have been used in any pipes, tanks, or other equipment on the property. When the presence of any such substances is apparent or suspected, testing and purging shall be performed and the hazard eliminated before demolition is started.*

Project Specific Applicability: All types of hazardous chemicals, gases, explosives, flammable materials, or other dangerous substances shall be removed from the structure prior to demolition as part of the pre cleaning phase during the environmental remediation. All materials are to be documented, manifested, and included in the environmental close out documents.

- f. **OSHA 1926.850(f):** *Where a hazard exists from fragmentation of glass, such hazards shall be removed.*

Project Specific Applicability: All hazards from fragmentation of glass shall be removed in the normal course of demolition.

- g. **OSHA 1926.850(g):** *Where a hazard exists to employees falling through wall openings, the opening shall be protected to a height of approximately 42 inches.*

Project Specific Applicability: No employees are permitted to enter the structure once demolition begins. Rule applies to interior demolition.

- h. **OSHA 1926.850(h):** *When debris is dropped through holes in the floor without the use of chutes, the area onto which the material is dropped shall be completely enclosed with barricades not less than 42 inches high and not less than 6 feet back from the projected edge of the opening above. Signs, warning of the hazard of falling materials, shall be posted at each level. Removal shall not be permitted in this lower area until debris handling ceases above.*

Project Specific Applicability: No employees are permitted to enter the structure once demolition begins. Rule applies to interior demolition.

- i. **OSHA 1926.850(i):** *All floor openings, not used as material drops, shall be covered over with material substantial enough to support the weight of any load which may be imposed. Such material shall be properly secured to prevent its accidental movement.*

Project Specific Applicability: The building is a single story structure. Refer to the demolition sequencing section of this report for further information.

OSHA 1926.850(j): *Except for the cutting of holes in floors for chutes, holes through which to drop materials, preparation of storage space, and similar necessary preparatory work, the demolition of exterior walls and floor construction shall begin at the top of the structure and proceed downward. Each story of exterior wall and floor construction shall be removed and dropped into the storage space before commencing the removal of exterior walls and floors in the story next below.*

Project Specific Applicability: The building is a single story structure. Refer to the demolition sequencing section of this report for further information.

- j. **1926.850(k):** *Employee entrances to multistory structures being demolished shall be completely protected by sidewalk sheds or canopies, or both, providing protection from the face of the building for a minimum of 8 feet. All such canopies shall be at least 2 feet wider than the building entrances or openings (1 foot wider on each side thereof), and shall be capable of sustaining a load of 150 pounds per square foot.*

Project Specific Applicability: Not applicable. Building is a single story structure. No employees are permitted to enter the structure once demolition begins.

2. Provide a general outline of the demolition procedures and sequence that is proposed to be used in the demolition of the subject structure. These outlined procedures/sequences are subject to change by AEI and/or the demolition contractor based on the observed response of the structure overall and components thereof during actual demolition operations.

No architectural or structural drawings were provided for our review.

The residence is a single-story residential structure and is assumed to be founded on a spread footings. The structure has a crawlspace with concrete foundation walls. The residence is approximately 30'x43' with the long direction oriented east to west. The wall and roof framing is assumed to be composed of dimension lumber framing. The attached garage is approximately 12'x24' with the long direction oriented east to west. It is a wood-framed structure on a concrete foundation with a slab on grade floor. The unattached storage shed is approximately 8'x10' with the long direction oriented north to south. It is a wood framed structure on wood skids with no apparent foundation.

Existing Condition Observation

During our site visit we made visual observations around the building perimeters only. The structures were partially exposed in some areas. All of the existing structural systems that were exposed to view appeared to be in good condition. We saw no evidence of noteworthy structural distress. It is our professional opinion that the possibility of un-planned collapse of any portion of the existing structures is very low. Workers may be allowed in the buildings to prepare them for demolition with such activities as removal of materials or other work that does not involve activities that affect existing structural systems.

Outline of Proposed Demolition Procedures, Equipment, and Sequence

Equipment

We anticipate demolition for this structure to be completed with heavy equipment including:

- "Track-hoe" excavators capable of reaching structural elements to be demolished. Excavators may be equipped at times with buckets/grapples, hydraulically actuated demolition hammers or shears, and other custom extensions for demolition and/or holding elements for temporary stability.
- Small skid steer loaders may also be utilized from time to time during demolition

Demolition Sequencing

General

After the commencement of demolition with heavy equipment, by necessity, structural systems from this point forth will be destroyed. Demolition should proceed as fast as practical until the structure is demolished in its entirety. The lateral stability of the buildings are provided by the perimeter wood-framed walls.

During demolition operations, care must be taken to protect and prevent damage to any active or live utilities both above and below ground.

During demolition, water will be used to wet down the area that is being demolished prior to starting the demolition. During the demolition process a water spray will be used to minimize the fugitive particulate matter emissions. The ground will be

sprayed with water either by water truck or some type of water spray to minimize fugitive particulate emissions from haul trucks and demolition equipment.

Sequence

The residence superstructure may be collapsed into the crawlspace starting at either the northeast or northwest corners of the building and proceeding thru the length of the building to the south. The attached garage shall be demolished starting from the east or west side and proceeding through the building in the east/west direction. The north side of the residence and the south side of the attached garage are in close proximity to the north and south property lines. The property on the north was not scheduled for demolition at the time of our observation. The property located to the south is scheduled for demolition. The unattached storage shed can be removed in any sequence. Once the roof, wall, and floor systems are demolished, the slab on grade and foundations can be removed in any sequence.

Closing

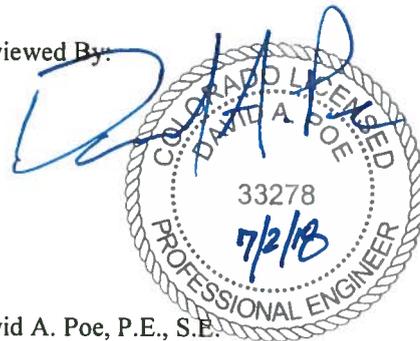
This report constitutes an engineering review and summary of the pre-demolition condition of the structural systems of the subject buildings as well as a general outline of demolition procedures and sequencing. Note that the conclusions drawn are based on visual observations and our expertise and experience with structural engineering of building structures. Unless noted otherwise, no non-destructive or destructive testing of any kind was performed, nor was any formal engineering analysis completed. These procedures/sequences outlined herein are subject to change by AEI and/or the demolition contractor based on the observed response of the structure overall and components thereof during actual demolition operations. Anchor Engineering, Inc. shall be held harmless for damage of any kind to surrounding structures or property or for injury of any kind to any person or persons. The demolition contractor is responsible for jobsite safety. The conclusions presented in this report are based on conditions noted at the time of the observation. Commentary or recommendations regarding environmental issues are beyond the scope of this report. Should questions arise, or if further information is required regarding the content of this report, please contact our office.

Sincerely,
Anchor Engineering, Inc.



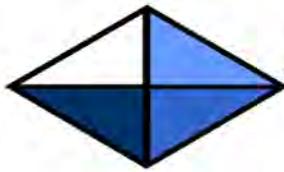
Glen L. Wilson, E.I.
Design Engineer

Reviewed By:



David A. Poe, P.E., S.E.
Principal

7. Asbestos Clearance Report



ALL-PHASE

ENVIRONMENTAL CONSULTANTS, INC.

November 30, 2018

Interior Air Monitoring Clearance

Re: AP-78
4625 Fillmore Street
Denver, Colorado 80216

To Whom It May Concern:

On, November 28, 2018, Logan Greenfield, Colorado Certified Asbestos Building Inspector and Colorado Air Monitoring Specialist with All-Phase Environmental Consultants, Inc. (APEC), conducted Air Monitoring clearances at the above referenced Subject Property. A visual inspection and air samples were collected inside the abatement containment to ensure that the asbestos fiber counts are below the regulated standard to guarantee this area is safe to re-occupy.

The Containment Air clearance consisted of five (5) 0.08um sampling cassettes, five (5) 1-16 liter per minute pumps, along with Four (4) 20-inch box fans and a one-horse power leave blower used to perform an aggressive clearance of the containment. ***All-Phase Environmental is an approved and certified Colorado Department of Public Health and Environment asbestos laboratory.***

Microscopic inspection of the above mentioned five samples were conducted in the All Phase Environmental PCM laboratory. This inspection verified that ALL the samples taken were at or below 0.01 fiber per cubic centimeter as required by the Colorado Department of Public Health and Environmental standard for a safe room or area. See Lab analytical results attached to this document.

Based on the visual inspection and the analytical results, this area is considered safe to re-occupy.

APEC will not be held responsible for the mishandling of the information contained herein, and/or any items found after November 28, 2018

Please feel free to call with any questions and or concerns.

Sincerely,

Logan Greenfield
Colorado Certified Asbestos Inspector and AMS - 20715



Colorado Department
of Public Health
and Environment

ASBESTOS LABORATORY

This certifies that

All Phase Environmental Consultants, Inc.

Registration No.: AL - 24462

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos laboratory testing activities, as required by Regulation No 8, Part B, in the state of Colorado.

Issued: April 20, 2018

Expires: April 20, 2019

Authorized APCD Representative

SEAL

8. Materials Summary

January 11, 2019

Megan Wood
 Kiewit Infrastructure Co.
 160 Inverness Drive West, Suite 110
 Englewood, CO 80112

RE: AP-77 4615 Fillmore St. – Summary of Removed Materials

Dear Megan,

Below is a summary of the materials removed from 4615 Fillmore St. For more details regarding the location of the Asbestos Containing Materials (ACM) and the asbestos content please refer to the Table 3-1 of the All-Phase Environmental SSAR (Page 16).

| Material Removed | Quantity |
|--|-------------------------------------|
| Asbestos Containing Textured Drywall | 3530 SF |
| Asbestos Containing Sheet Vinyl Flooring | 336 SF |
| Asbestos Containing Window Glazing | 114 SF |
| Regulated Building Materials | 9 Lightbulbs and 4 gal. Latex Paint |
| Clean Demolition Debris | 453,600 lbs |
| Recycled Concrete | 97,200 lbs |

If you have any questions or require further information regarding these quantities, please contact me at 303-238-0207.

Sincerely,
JKS Industries, LLC



Jeffrey Knight
 President

9. Waste Manifests

9a. Asbestos Waste Manifests



ASBESTOS NESHAP WASTE SHIPMENT RECORD

| | | | | | |
|--|--|---|--|--|-------------------|
| | 1. Generator ID Number N / A | 2. Page 1 of | 3. Emergency Response Phone 800-424-9300 | 4. Waste Tracking Number 2234870 | |
| 5. Generator's Name and Mailing Address COLORADO DEPARTMENT OF TRANSPORTATION 747 SHERIDAN BLVD UNIT 9A LAKEWOOD CO 80214 | | Generator's Project Address (if different than mailing address) AP-78 4625 Fillmore St. Denver CO 80216 | | | |
| Generator's Phone: (303) 512-5000 | | | | | |
| 6. Transporter 1: Complete Company Name and Address 5280 WASTE SOLUTION | | | Transporter Phone 7 88410300 | | |
| 7. Transporter 2: Complete Company Name and Address | | | Transporter Phone | | |
| 8. Designated Disposal Facility Name and Site Address DENVER ARAPAHOE DISPOSAL 3500 S GUN CLUB RD AURORA CO 80018 | | | | Facility's Phone: (720) 876-2620 | |
| 9. Waste Shipping Name, Description, & Profile Number | | 10. Containers | | 11. Total Quantity | 12. Unit Wt./Vol. |
| | | No. | Type | | |
| 1. RQ, NA 2212, Asbestos, 9,PG III 126775CO | | | | 20 yds | NONE |
| 2. | | | | | |
| 13. Regulatory Agency: Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80222-1530 | | | Emergency Notification: CHEMTREC (800) 424-9300 24-hour Toll Free Number | | |
| 14. Bill to & Account Number: Customer Acct #: D 14925 Customer Name: JKS INDUSTRIES | | | | | |
| 15. Contractor/Generator Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/ placarded, and are in all respects in proper condition for transportation and disposal according to applicable national and state governmental regulations. I hereby certify that the above described waste is not a hazardous waste as defined by federal, state or local regulations and does not contain regulated quantities of PCB's or radioactive materials. | | | | | |
| Generator's/Officer's Printed/Typed Name | | Signature | | Month Day Year | |
| Mia Steenkamp on behalf of CDDT | | | | 11 15 2018 | |
| 16. Transporter Acknowledgement of Receipt of Materials | | | | | |
| Transporter 1 Printed/Typed Name | | Signature | | Month Day Year | |
| JOE ONDRE | | | | 11 21 18 | |
| Transporter 2 Printed/Typed Name | | Signature | | Month Day Year | |
| | | | | | |
| 17. Special Handling Instructions Soil originating from the above site shall not be used as daily cover or sold as clean fill. | | | | | |
| 18. Discrepancy Indication Space: | | | | 19. Ticket # 3266842 | |
| Initials of Person noting discrepancy | | Signature | | Date | |
| | | | | | |
| 20. Management Method/Location Landfill _____ Monofill _____ Location: | | | | | |
| 21. Designated Disposal Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18 | | | | | |
| Printed/Typed Name Chad | | Signature | | Month Day Year 11 27 18 | |

GENERATOR

TRANSPORTER

DESIGNATED FACILITY



ASBESTOS NESHAP WASTE SHIPMENT RECORD

| | | | | | | | | |
|--|---|----------------------------------|---|--|---|--|--------------------------------|--|
| | 1. Generator ID Number N / A | 2. Page 1 of | 3. Emergency Response Phone 800-424-9300 | 4. Waste Tracking Number 2234865 | | | | |
| GENERATOR | 5. Generator's Name and Mailing Address COLORADO DEPARTMENT OF TRANSPORTATION 747 SHERIDAN BLVD UNIT 9A LAKEWOOD CO 80214 | | Generator's Project Address (if different than mailing address) AP-78 4625 Fillmore St. Denver CO 80216 | | | | | |
| | Generator's Phone: (303) 512-5909 | | | | | | | |
| | 6. Transporter 1: Complete Company Name and Address 5280 WASTE SOLUTION | | Transporter Phone 718 8410300 | | | | | |
| 7. Transporter 2: Complete Company Name and Address | | Transporter Phone | | | | | | |
| 8. Designated Disposal Facility Name and Site Address DENVER ARAPAHOE DISPOSAL 3500 S GUN CLUB RD AURORA CO 80018 | | | Facility's Phone: (720) 876-2620 | | | | | |
| 9. Waste Shipping Name, Description, & Profile Number | | 10. Containers | | 11. Total Quantity | | | | |
| | | No. | Type | | 12. Unit Wt./Vol. | | | |
| 1. RQ, NA 2212, Asbestos, 9,PG III 12677500 | | | | | | | | |
| 2. | | | 40 yds | | | | | |
| 13. Regulatory Agency: Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80222-1530 | | | Emergency Notification: CHEMTREC (800) 424-9300 24-hour Toll Free Number | | | | | |
| 14. Bill to & Account Number: Customer Acct #: D 14925 Customer Name: JKS INDUSTRIES | | | | | | | | |
| 15. Contractor/Generator Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/ placarded, and are in all respects in proper condition for transportation and disposal according to applicable national and state governmental regulations. I hereby certify that the above described waste is not a hazardous waste as defined by federal, state or local regulations and does not contain regulated quantities of PCB's or radioactive materials. | | | | | | | | |
| Generator's/Offorer's Printed/Typed Name MEGAN WOOD | | Signature <i>Megan Wood</i> | | Month Day Year 10 06 18 | | | | |
| 16. Transporter Acknowledgement of Receipt of Materials | | | | | | | | |
| | | | | | Transporter 1 Printed/Typed Name JOE DUFFRE | | Signature <i>Joe Duffre</i> | |
| | | | | | Transporter 2 Printed/Typed Name | | Signature | |
| 17. Special Handling Instructions Soil originating from the above site shall not be used as daily cover or sold as clean fill. | | | | | | | | |
| 18. Discrepancy Indication Space: | | | | 19. Ticket # 3260570 | | | | |
| Initials of Person noting discrepancy | | Signature | | Date | | | | |
| 20. Management Method/Location Landfill _____ Monofill 6 Location: | | | | | | | | |
| 21. Designated Disposal Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18 | | | | | | | | |
| Printed/Typed Name Margie Clark | | Signature <i>Margie Clark</i> | | Month Day Year 11 15 18 | | | | |

9b. Regulated Building Materials (RBMs) Waste Manifests

February 14, 2018

CDOT

RE: Regulated Building Materials Manifests in SSCRs

To whom it may concern;

This letter is to explain the "SSCR Tracking Sheet" JKS Industries prepared for the purpose of documenting the manifests for the Regulated Building Materials (RMBs) included in the SSCR's.

The attached table describes how we have batched the RBM manifests per property. Here is a brief description of each grouping:

- Group 1 Independent: Each of the properties in this group has/will have its own RBM manifest. These manifests will be included in the SSCR for each property.
- Group 2 Pilot: The RBMs were removed from these properties and taken to the Pilot Truck Stop (AP-86). The reason for this, is that the volume was so low it was more cost effective just to lump them in with the Pilot RBMs than to have a separate pickup. There is no way to separate the inventories of these properties from the Pilot. The manifest will be included in the SSCR for each property.
- Group 3 Independent: The RBMs for these properties were removed and taken to the JKS warehouse for a single pick-up. A detailed inventory for these properties will be included in the individual SSCRs as well as a copy of the bulk pick-up manifest.
- Group 4 Not Required: The RBMs for these properties were removed prior to Kiewit taking possession of the property. This will be clarified in each individual SSCR for these properties.
- Group 5 AP-122: The RBMs for these properties were taken to AP-122. The reason for this, is that the volume was so low it was more cost effective just to lump them in with the RBMs at AP-122 than to have a separate pickup. An inventory for these properties were taken and will be included in the SSCR along with the RBM manifest.

An indication as to whether or not RBMs were removed will be found in the "Closeout Letter" portion of each SSCR; any additional notes or details will be found in the "Materials Summary" portion. Please reach out to us if you need any further clarification.



Stephen P. DiNardo

Director of Quality Management, JKS Industries

Regulated Building Material Groupings and Aconex Close Out #

Revision Date

2/11/2019

| ## | Parcel # | Site Address | RBM Groupings | | | | | Close Out Documents |
|----|----------|--------------------------|---------------------|---------------|-------------|----------------------|----------------|---------------------------|
| | | | Group 1 Independent | Group 2 Pilot | Group 3 JKS | Group 4 Not Required | Group 5 AP-122 | SSCR Aconex # |
| 1 | AP-8 | 4618 High St. | | | Complete | | | C70-JKS-ENV-RPT-000014 |
| 2 | AP-14 | 4617/4625 Race St. | | | Complete | | | Not Demo'd |
| 3 | AP-23 | 4639 Vine St. | | | | Not Required | | C70-JKS-PRM-RPT-000012 |
| 4 | AP-28 | 4646 Vine St. | | | Complete | | | C70-JKS-ENV-RPT-000011 |
| 5 | AP-33 | 4637 Claude Ct. | | Complete | | | | C70-JKS-ENV-RPT-000002 |
| 6 | AP-34 | 4639 Claude Ct. | | Complete | | | | C70-JKS-ENV-RPT-000003 |
| 7 | AP-42 | 4620 Claude St. | | | | Not Required | | C70-JKS-ENV-RPT-000004 |
| 8 | AP-49 | 2381 E. 46th Ave. | | | Complete | | | C70-JKS-ENV-RPT-000023 |
| 9 | AP-49A | 2381 E. 46th Ave. | | | Complete | | | C70-JKS-ENV-RPT-000018 |
| 10 | AP-53 | 4608 Josephine | | | Complete | | | C70-JKS-ENV-RPT-000015 |
| 11 | AP-68 | 4601 Clayton | | | | | Complete | SSCR in Process; Due 2/18 |
| 12 | AP-66 | 2615 E. 46th | Complete | | | | | C70-KIE-ENV-RPT-000004 |
| 13 | AP-69 | 4611 Clayton | | | Complete | | | SSCR in Process; Due 2/18 |
| 14 | AP-70 | 4621 Clayton | | | Complete | | | C70-JKS-ENV-RPT-000008 |
| 15 | AP-72 | 4550 Clayton | | | Complete | | | C70-JKS-ENV-RPT-000021 |
| | AP-72A | 2716 E 46th Ave | | | Complete | | | C70-JKS-ENV-RPT-000019 |
| 16 | AP-73 | 4600 Clayton | | | | None Found | | SSCR in Process; Due 2/18 |
| 17 | AP-74 | 4610 Clayton | | | | None Found | | C70-JKS-ENV-RPT-000025 |
| 18 | AP-75 | 4620 Clayton | | | Complete | | | C70-JKS-ENV-RPT-000009 |
| 19 | AP-77 | 4615 Fillmore | | | Complete | | | C70-JKS-ENV-RPT-000012 |
| 20 | AP-78 | 4625 Fillmore | | | Complete | | | C70-JKS-ENV-RPT-000016 |
| 21 | AP-79 | 4605 Fillmore | | | Complete | | | C70-JKS-ENV-RPT-000017 |
| 22 | AP-80 | 4610 Fillmore | | | Complete | | | C70-JKS-ENV-RPT-000024 |
| 23 | AP-81 | 4620 Fillmore | | | Complete | | | C70-JKS-ENV-RPT-000020 |
| 24 | AP-83 | 4625 Milwaukee | | | Complete | | | C70-JKS-ENV-RPT-000026 |
| 25 | AP-86 | 3223 E. 46th Ave. | Complete | | | | | C70-JKS-ENV-RPT-000007 |
| 26 | AP-86B | 3455 E. 46th Ave. | Complete | | | | | C70-JKS-ENV-RPT-000005 |
| 27 | AP-93 | 3538 E 46th Ave | | | | No Survey | | On Hold till 2020 |
| 28 | AP-93A | 3600 E 46th Ave Office | | | | No Survey | | On Hold till 2020 |
| 29 | AP-102 | 4625 Colorado Blvd | Complete | | | | | Not Demo'd |
| 30 | AP-109E | 5125 E. Stapleton N. Dr. | Complete | | | | | Demolition in Process |
| 31 | AP-109W | 5175 E. Stapleton N. Dr. | Complete | | | | | Demolition in Process |
| 32 | AP-122 | 5601 E. Stapleton N. Dr. | | | | | Complete | On Hold till 2020 |
| 33 | AP-185 | 4542 Filmore | | | Complete | | | C70-JKS-ENV-RPT-000010 |
| 34 | | Pump House | | | | | | C70-JKS-ENV-RPT-000013 |

Group Details:

Group 1: Each property will have it's own individual RBM manifest

Group 2: RBMs from these properties went to the Pilot (AP-86) and will be on the Pilot Manifest

Group 3: RBMs for these properties were picked up in bulk. Refer to materials summary for detail on the actual RBMs removed for each property

Group 4: RBMs for these properties were either removed by Kiewit ("Not Required"), none were found ("None Found"), or the survey has not been released yet ("No Survey")

Group 5: RBMs from these properties went to AP-122 and will be on the manifest for AP-122

| | | | |
|--|---|---|--|
| WASTE BILL OF LADING & CERTIFICATE OF RECYCLING | | P/U Fees: \$25 \$30 \$40 \$45 \$55 | BOL#: 27201 |
| <input checked="" type="checkbox"/> Universal Waste | 4' Jumbo ___ 4' Box ___ 8' Jumbo ___ 8' Box ___ | \$65 ___ \$75 ___ \$85 ___ \$95 ___ \$105 ___ | Shipment Date: 11/6/18 |
| <input type="checkbox"/> TSCA Waste | HID Box ___ Battery Box ___ 6.5 Gallon Pail ___ | \$115 ___ \$125 ___ \$135 ___ \$145 ___ \$155 ___ | |
| <input type="checkbox"/> Special Waste | 14-G PD ___ 30-G PD ___ 55-G PD ___ CY Bx ___ | Labor Charges: \$ ___ | Emergency Contact (877) 331-2149 Extension 4 |
| Generator Of Waste: | 95-G PD ___ 55-G SD ___ 85-G SD ___ GL Box ___ | Off Spec. Charge: \$ ___ | |
| Name: | Bill To: <u>TKS Inc</u> | Name: <u>TKS Industries</u> | |
| Address: | Address: <u>747 Sheridan Blvd.</u> | Address: <u>747 Sheridan Blvd.</u> | |
| City, State, Zip: | City, State, Zip: <u>Lakewood Co. 80214</u> | City, State, Zip: <u>Lakewood Co. 80214</u> | |
| Contact: | Contact: <u>Jeff Knight</u> | Contact: <u>Jeff Knight</u> | |
| Phone: | Phone: <u>720-462-4410</u> | Phone: <u>720-462-4410</u> | |
| Fax: | Fax: | Fax: | |
| PO# | PO# | PO# | |
| Job# | Job# | Job# | |

| | |
|--|--|
| WASTE BROKERAGE FACILITY: | EPA ID#: COR000231449 |
| <input checked="" type="checkbox"/> R8E, LLC | Destination Facility for Universal Waste |
| 4810 Newport Street | Large Quantity Handler of Universal Waste |
| Commerce City Colorado 80033-2244 | Hazardous Waste Transporter/Transfer Facility |
| (p) 303-424-4887 (f) 303-424-9193 | Used Oil Transporter/Transfer Facility |
| Email: Mike@R8Enviro.com | US DOT #: 050108 550 051Q HMP-20746 |
| www.R8Enviro.com | US DOT #1781660 CO TSCA - EPA Approved PCB Handler |

| Container | Waste Common Name | DOT Description | Total Quantity | Unit / Wt. Volume |
|-----------|--|---|----------------|-------------------|
| 2 CF | 4' & UNDER FLUORESCENT LAMP/S RECYCLING | Non-DOT Regulated (per 49 CFR 173.164(e)) | | |
| | 5' & OVER FLUORESCENT LAMP/S RECYCLING | Non-DOT Regulated (per 49 CFR 173.164(e)) | 12 | ea |
| | UTUBE FLUORESCENT LAMP/S RECYCLING | Non-DOT Regulated (per 49 CFR 173.164(e)) | | |
| | CIRCULAR FLUORESCENT LAMP/S RECYCLING | Non-DOT Regulated (per 49 CFR 173.164(e)) | | |
| 1 CF | COMPACT FLUORESCENT LAMP/S RECYCLING | Non-DOT Regulated (per 49 CFR 173.164(e)) | 49 | ea |
| | HID MERCURY/HALIDE/SODIUM LAMP/S RECYCLING | Non-DOT Regulated (per 49 CFR 173.164(e)) | 21 | ea |
| | SHIELD/COATED/GROOVED LAMP/S RECYCLING | Non-DOT Regulated (per 49 CFR 173.164(e)) | | |
| | INCANDESCENT LAMP/S RECYCLING | Non-DOT Regulated (per 49 CFR 173.164(e)) | 36 | ea |
| | UV/ARC/IGNITRON LAMP/S RECYCLING | Non-DOT Regulated (per 49 CFR 173.164(e)) | | |
| | BROKEN LAMP/S RECYCLING | Non-DOT Regulated (per 49 CFR 173.164(e)) | | |
| | CRUSHED FLUORESCENT LAMP/S RECYCLING (processed) | Non-DOT Regulated (per 49 CFR 173.164(e)) | | |
| | PCB WASTE RECYCLE/INCINERATION/MICROENCAP | RQ, UN3432, Polychlorinated biphenyls, Solid, 9, PGIII, ERG#171 | | |
| | NON-PCB BALLAST RECYCLE/MICROENCAPSULATION | Non-RCRA / Non-DOT Regulated Waste | | |
| | ESCRAP RECYCLING | Non-DOT Regulated | 110 | P |
| | MERCURY DEVICE RECYCLING | UN3506, Mercury Contained in Manufactured Articles, 8 (6.1), PGIII, ERG#172 | | |
| | LEAD ACID BATTERY RECYCLING | UN2794, Batteries, Wet Filled w/ Acid, 8, PGIII, ERG#154 | | |
| | ALKALINE BATTERY RECYCLING | Batteries, Dry, sealed, n.o.s. Specail Provision 130 | | |
| | NICKEL (Ni-Cad) BATTERY RECYCLING | Batteries, Dry, sealed, n.o.s. Specail Provision 130 | | |
| | LITHIUM METAL BATTERY RECYCLING - DOT 173.185(d) | UN3090, Lithium Batteries, 9, PGII, ERG#138 | | |
| | LITHIUM Ion BATTERY RECYCLING - DOT 173.185(d) | UN3480, Lithium Batteries, 9, PGII, ERG#138 | | |
| | WASTE OIL RECYCLING | Special Waste Liquid | 1 | GAZ |
| | WASTE GLYCOL RECYCLING | Special Waste Liquid | | |
| | WASTE AEROSOLS | UN1950, Aerosols, Flammable, 2.1, ERG#126 | | |
| 71 GALLON | WASTE LATEX PAINT | Special Waste Liquid | 71 | GAZ |
| | LOW RADIATION CONTAINING SMOKE DETECTORS | Special Waste Solid, Nuclear Regulatory Law 10 CFR 32.37 | | |
| | FIRE EXTINGUISHER(S) | Special Waste Solid | | |
| | METALS RECYCLING | Special Waste Solid | | |
| | MISCELLANEOUS RECYCLING <u>3 MICROWAVES</u> | | | |
| | MISCELLANEOUS RECYCLING <u>6 Large Fridges</u> | | 6 | ea |

Generator Certification: This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Unpaid invoices will be assigned to a licensed Collection Agency and subject to Collection Agency Fee's, Attorney's Fee's, Court Costs and Interest.

| | | | |
|---|---------------------------|-----------------------------------|----------------------|
| Signature: <u>[Signature]</u> | Title: <u>Operator</u> | Print Name: <u>Jesus Casado</u> | Date: <u>11-6-18</u> |
| Transporter 1 Name: <u>Jesus Casado</u> | Transporter 2 Name: _____ | Phone Number: <u>720-245-1685</u> | Phone Number: _____ |
| Signature: <u>[Signature]</u> | Date: <u>11-6</u> | Signature: _____ | Date: _____ |

Receiving, subject to the classification and regulations in effect on the date of issue of the Bill of Lading, the property described above is in apparent good order. Please retain a copy of this document as the "Certification of Recycling" for the items and quantities listed above.

Signature: [Signature] Date: 11/6/18

10. Weight Tickets

10a. Daily Load Trackers and Associated Truck Tickets

Date:

12-7-18

Project:

AP-78

Prepared By:

Jesus Casarino

Dump Site Ticket

| Arrival Time | Departure Time | Load # | Truck # | Material Code | Description | Tons/Yards | Dump Site | Number |
|--------------|----------------|--------|---------|---------------|-------------|------------|-----------|--------|
| 7:30 | 7:55 | 1 | CH575 | trash | Demo debris | 18 yds | Dads | |
| 7:55 | 8:10 | 2 | CH333 | trash | Demo debris | 18 yds | Dads | |
| 9:35 | 10:20 | 3 | CH575 | trash | Demo debris | 18 yds | Dads | |
| 10:20 | 10:35 | 4 | CH333 | trash | Demo debris | 18 yds | Dads | |
| 12:15 | 12:30 | 5 | CH575 | trash | Demo debris | 18 yds | Dads | |
| 12:30 | 1:20 | 6 | CH333 | trash | Demo debris | 18 yds | Dads | |
| 3:00 | 3:15 | 7 | CH575 | trash | Demo debris | 18 yds | Dads | |
| 3:15 | 3:55 | 8 | CH333 | trash | Demo debris | 18 yds | Dads | |
| 7:30 | 7:45 | 9 | CH333 | trash | Demo debris | 18 yds | Dads | |
| 7:45 | 8:00 | 10 | CH376 | trash | Demo debris | 18 yds | Dads | |
| 9:40 | 9:55 | 11 | CH333 | trash | Demo debris | 18 yds | Dads | |
| 9:55 | 10:25 | 12 | CH376 | trash | Demo debris | 18 yds | Dads | |
| 11:35 | 11:55 | 13 | CH333 | trash | Demo debris | 18 yds | Dads | |
| 11:55 | 12:10 | 14 | CH376 | trash | Demo debris | 18 yds | Dads | |
| 2:05 | 2:20 | 15 | CH333 | trash | Demo debris | 18 yds | Dads | |
| 2:20 | 2:35 | 16 | CH376 | R | He Concrete | 18 yds | Henderson | |
| 3:45 | 4:00 | 17 | CH376 | R | Concrete | 18 yds | Henderson | |
| 4:05 | 5:00 | 18 | CH333 | T | Demo debris | 18 yds | Dads | |
| 7:05 | 7:20 | 19 | CH575 | trash | Demo debris | 18 yds | Dads | |
| 7:25 | 7:40 | 20 | CH376 | trash | Demo debris | 18 yds | Dads | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Legend:

Materials:

R = Recycle

T = Trash

Description:

Concrete, Asphalt, Asbestos, Lumber,

Construction Debris, Trash, Metals,

CHACON'S

construction & transport



No. 8078

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JKS Gnd

DISPATCHED BY: Chacon's Const

DATE: 12-7-18 **JOB DESCRIPTION:**

TRUCK #: 411372

TANDEM **TRAILER**

MATERIAL: Dirt

| | LOADS | UNLOADS |
|--|------------|---------|
| JOB# | | |
| LOAD AT | loads # | |
| 4625 | 8:00 d/ds | Ap 78 |
| Fillmore st | 10:20 d/ds | Ap 78 |
| Dancer Co | 1:22 d/ds | Ap 78 |
| UNLOAD AT | 4:15 d/ds | Ap 75 |
| Dorks pt | | |
| | | |
| | | |
| RATE \$ | | |
| HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/> | | |
| START TIME 7:00 | | |
| STOP TIME 6:00 | | |
| TOTAL HOURS | | |
| 11 hrs | | |

OWNER OF TRUCK:

| | |
|----------------------|-----------------------------|
| DRIVER'S NAME | AUTHORIZED SIGNATURE |
| Justin Castillo | [Signature] |

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S

construction & transport



AP 78

No. 11057

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

| | | |
|--|----------------------|---------|
| BILL TO: | | |
| DISPATCHED BY: J.F.S. | | |
| DATE: 12/7/18 | JOB DESCRIPTION: | |
| TRUCK # 6575 | DEMO | |
| TANDEM <input type="checkbox"/> TRAILER <input type="checkbox"/> | | |
| MATERIAL Demo | | |
| | LOADS | UNLOADS |
| JOB# | 1 | DADS |
| LOAD AT | 1 | DADS |
| Filmore | 1 | DADS |
| I 70 | 1 | DADS |
| UNLOAD AT | | |
| DADS | | |
| RATE \$ | | |
| HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/> | | |
| START TIME 730 | | |
| STOP TIME 5:30 PM | | |
| TOTAL HOURS | | |
| 10 hrs | OWNER OF TRUCK: | |
| DRIVER'S NAME | AUTHORIZED SIGNATURE | |
| Jose | [Signature] | |

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S
construction & transport



No. 8081

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JKS Const
DISPATCHED BY: Chacon Const
DATE: 12-10-18
TRUCK # CH 333
TANDEM TRAILER
MATERIAL DIRT

| | LOADS | UNLOADS |
|--|---------|---------|
| JOB# | loads # | |
| LOAD AT | 7:35 | Ap-78 |
| 4625 Fillmore | 10:00 | Ap-78 |
| St Denver | 12:00 | Ap-78 |
| CO | 2:30 | Ap-78 |
| UNLOAD AT | 4:50 | Ap-78 |
| Dads pit | | |
| | | |
| | | |
| | | |
| RATE \$ | | |
| HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/> | | |
| START TIME 7:00 | | |
| STOP TIME 6:30pm | | |
| TOTAL HOURS | | |
| 11.5 Hrs | | |
| OWNER OF TRUCK: | | |

DRIVER'S NAME: Justin Castillo
AUTHORIZED SIGNATURE: [Signature]

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.



| | | |
|--|---------------------------------|------------|
| BILL TO: SKS | | |
| DISPATCHED BY: | | |
| DATE: 12/10/18 | JOB DESCRIPTION: | |
| TRUCK # CH 376 | I-70 | |
| TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/> | | |
| MATERIAL DEMO | DEMO | |
| | LOADS | UNLOADS |
| JOB# | 1 Ap-78 | |
| LOAD AT | 2 Ap-78 | |
| 462555222222 | 3 Ap-78 | |
| | 4 - Henderson Pat 498467 | |
| | 5 - Henderson Pat | |
| UNLOAD AT | | (u) |
| D.A.D.S | | |
| | 5 LOADS | |
| | TOTAL | |
| RATE \$ | | |
| HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/> | | |
| START TIME 7:00am | | |
| STOP TIME 6:00pm | | |
| TOTAL HOURS | | |
| 11 hrs | | |
| | OWNER OF TRUCK: | |
| DRIVER'S NAME | AUTHORIZED SIGNATURE | |
| M. Pell | [Signature] | |
| <small>Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.</small> | | |

CHACONS
construction & transport



No. 8082

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

| | | |
|---|----------------------|----------|
| BILL TO: JKS Const | | |
| DISPATCHED BY: Chacons Const | | |
| DATE: 12-11-18 | JOB DESCRIPTION: | |
| TRUCK # CH 333 | | |
| TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/> | | |
| MATERIAL Dirt | | |
| | LOADS | UNLOADS |
| JOB# | loads # | |
| LOAD AT | 7:30 dads | Ap-79 78 |
| 4625 Fellmore | 9:30 deds | Ap-79 |
| St Denver | 11:40 dads | Ap-79 |
| Co | 2:30 dads | Ap-79 |
| UNLOAD AT | 4:00 deds | Ap-79 |
| Dedes Post | | |
| | | |
| | | |
| RATE \$ | | |
| HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/> | | |
| START TIME 7:00 | | |
| STOP TIME 7pm | | |
| TOTAL HOURS | | |
| 12 hrs | | |
| OWNER OF TRUCK: | | |
| DRIVER'S NAME | AUTHORIZED SIGNATURE | |
| Joson Costello | [Signature] | |

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

11/20

CHACON'S

construction & transport



No. 8538

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: **JKS**

DISPATCHED BY:

DATE: **12/11/18**

JOB DESCRIPTION:

TRUCK # **CH3X6**

I-70

TANDEM TRAILER

MATERIAL **DEMO**

DEMOLITION

| | LOADS | UNLOADS |
|--|-------------|--------------|
| JOB# | 1 AP | 79 78 |
| LOAD AT | 2 AP | 79 |
| 4625 FILLMORE ST | 3 AP | 79 |
| DENVER | 4 AP | 79 |
| AP 79 | | (8) |
| UNLOAD AT | | |
| D.A.D.S | | |
| RATE \$ | | |
| HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/> | | |
| START TIME 7:00 AM | | |
| STOP TIME 6:30 PM | | |
| TOTAL HOURS | | |
| 1 1/2 hrs | | |
| OWNER OF TRUCK: | | |

DRIVER'S NAME: **M.M.-CA**

AUTHORIZED SIGNATURE: *[Signature]*

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

10b. Recycling Weight Tickets

120 85, LLC
10925 East 120th Ave.

Henderson CO, 80640

Ticket #: 498467
Date: 12/10/2018 3:10 PM
Phone: (303) 731-7542

www.hendersonpit.com

Customer: JKSINDUSTR4297
JKS Industries, LLC
747 Sheridan BLVD
Lakewood CO, 80214

Order Number: FILLMOORE
4625 FILLMORE ST
Loads: 2

CH376 -
SCALEOP - Scale Operator

Remarks: _MIGUEL
JS

Signature: _____

Certified
Weigher: _____

| Material | Quantity | Price | Material \$ | Delivery \$ | Misc \$ | Tax \$ | Line Total \$ |
|-------------------------|----------|-------|-------------|-------------|---------|--------|---------------|
| END SIDE CLEAN CONCRETE | 1.000 EA | | | | | | |

Weight Information

| Material | Gross | Tare | Net |
|----------|-------|------|-----|
|----------|-------|------|-----|

FOR YOUR OWN SAFETY, YOU MUST BE SUITABLY TRAINED AND EQUIPPED. HENDERSON PIT IS NOT LIABLE FOR INURIES, DAMAGES, OR DEATH CAUSED AT OWN RISK. LOADER ALWAYS HAS THE RIGHT OF WAY. YOU MUST LOCATE THE PIT OPERATOR PRIOR TO ENTRY. DRIVERS ARE RESPONSIBLE FOR THEIR OWN ACTIONS. WE ACCEPT ONLY INERT, NON-ORGANIC, NON-HAZARDOUS MATERIAL.

120 85, LLC
10925 East 120th Ave.

Henderson CO, 80640

Ticket #: 498496
Date: 12/10/2018 4:28 PM
Phone: (303) 731-7542

www.hendersonpit.com

Customer: JKSINDUSTR4297
JKS Industries, LLC
747 Sheridan BLVD
Lakewood CO, 80214

Order Number: FILLMOORE
4625 FILLMORE ST
Loads: 2

CH376 -
SCALEOP - Scale Operator

Remarks: _MIGUEL
VW

Signature: _____

Certified
Weigher: _____

| Material | Quantity | Price | Material \$ | Delivery \$ | Misc \$ | Tax \$ | Line Total \$ |
|-------------------------|----------|-------|-------------|-------------|---------|--------|---------------|
| END SIDE CLEAN CONCRETE | 1.000 EA | | | | | | |

Weight Information

| Material | Gross | Tare | Net |
|----------|-------|------|-----|
|----------|-------|------|-----|

FOR YOUR OWN SAFETY, YOU MUST BE SUITABLY TRAINED AND EQUIPPED. HENDERSON PIT IS NOT LIABLE FOR INURIES, DAMAGES, OR DEATH CAUSED AT OWN RISK. LOADER ALWAYS HAS THE RIGHT OF WAY. YOU MUST LOCATE THE PIT OPERATOR PRIOR TO ENTRY. DRIVERS ARE RESPONSIBLE FOR THEIR OWN ACTIONS. WE ACCEPT ONLY INERT, NON-ORGANIC, NON-HAZARDOUS MATERIAL.

10c. Waste Weight Tickets



2469670

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3275320

| | | | | | |
|------------------|------------------|--------------|------------|----------------|----------------|
| Customer Name | JKSINDUSTRIESLLC | JKS Industri | Carrier | JKS INDUSTRIES | JKS INDUSTRIES |
| Ticket Date | 12/07/2018 | | Vehicle# | 1 | Volume |
| Payment Type | Credit Account | | Container | | |
| Manual Ticket# | | | Driver | | |
| Hauling Ticket# | | | Check# | | |
| Route | | | Billing # | 0014925 | |
| State Waste Code | | | Gen EPA ID | | |
| Manifest | | | Grid | | |
| Destination | | | | | |
| PO | | | | | |
| Profile | () | | | | |
| Generator | | | | | |

| | Time | Scale | Operator | Inbound | Gross | 2 lb* |
|----------|---|-----------|-----------------|---------|-------|-------|
| In | 12/07/2018 07:19:48 | MANUAL WT | aramirez | | Tare | 1 lb* |
| Out | 12/07/2018 07:19:48 | | aramirez | | Net | 1 lb |
| | | | * Manual Weight | | Tons | |
| Comments | 8 loads on green drop tickets from 12/7/18 = 144 cyds | | | | | |



PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

| Product | LD% | Qty | UOM | Rate | Fee | Amount | Origin |
|---------|------------------------|--------|-------|------|-----|--------|--------|
| 1 | CDY-CONST DEBRIS - 100 | 144.00 | Yards | | | | |

Total Fees
Total Ticket



12-7-18 Ticket#: AP 78

ACCT#:306-14925
12-7-18

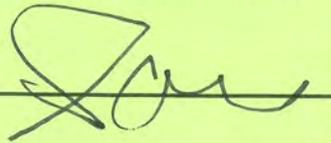
JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____



8x18 = 144 cy of DS.

Date: 12-7-18

Ticket#: AP-78

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____



Date: 12-7-18

Ticket#: AP-78

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: Justin Costello

Date: 12-7-18

Ticket#: AP-78

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Jon

Date: 12-7-18

Ticket#: AP-78

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: Justin Castillo

Date: 12-7-18

Ticket#: AP-78

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Justin

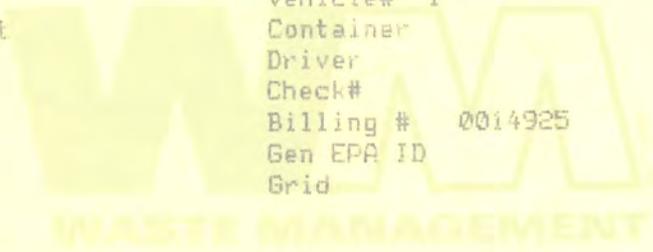


2469721

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80013
Ph: (720) 876-2620

Original
Ticket# 3276340

| | | | | | |
|------------------|------------------|--------------|------------|----------------|----------------|
| Customer Name | JKSINDUSTRIESLLC | JKS Industri | Carrier | JKS INDUSTRIES | JKS INDUSTRIES |
| Ticket Date | 12/10/2018 | | Vehicle# | 1 | Volume |
| Payment Type | Credit Account | | Container | | |
| Manual Ticket# | | | Driver | | |
| Hauling Ticket# | | | Check# | | |
| Route | | | Billing # | 0014925 | |
| State Waste Code | | | Gen EPA ID | | |
| Manifest | | | Grid | | |
| Destination | | | | | |
| PO | | | | | |
| Profile | () | | | | |
| Generator | | | | | |



| | Time | Scale | Operator | Inbound | Gross | |
|-----|---------------------|-----------|-----------------|---------|-------|-------|
| In | 12/10/2018 08:26:51 | MANUAL WT | aramirez | | Tare | 2 lb* |
| Out | 12/10/2018 08:26:51 | | aramirez | | Net | 1 lb* |
| | | | * Manual Weight | | Tons | 1 lb |

Comments 8 loads x 18 cyds per load = 144 cyds total

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

| Product | LD% | Qty | UOM | Rate | Fee | Amount | Origin |
|---------|-----|--------|-------|------|-----|--------|--------|
| 1 | | 144.00 | Yards | | | | |



Date: 12-10-18

Ticket#: AP-78

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: Justin Castello DRIVER

8 loads x 18 = 144 yds
total

Date: 12-10-18

Ticket#: AP-78

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: Justin Castello DRIVER

Date: 12-10-18

Ticket#: AP-78

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓

25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: _____ DRIVER
M. ACH

Date: 12-10-18

Ticket#: AP-78

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓

25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: _____ DRIVER
M. ACH



2469729

Denver Arapahoe Disposal
3500 S Gun Club, PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3277239

| | | | | | |
|------------------|------------------|--------------|------------|----------------|----------------|
| Customer Name | JKSINDUSTRIESLLC | JKS Industri | Carrier | JKS INDUSTRIES | JKS INDUSTRIES |
| Ticket Date | 12/11/2018 | | Vehicle# | 1 | Volume |
| Payment Type | Credit Account | | Container | | |
| Manual Ticket# | | | Driver | | |
| Hauling Ticket# | | | Check# | | |
| Route | | | Billing # | 0014925 | |
| State Waste Code | | | Gen EPA ID | | |
| Manifest | | | Grid | | |
| Destination | | | | | |
| PO | | | | | |
| Profile | () | | | | |
| Generator | | | | | |

| | Time | Scale | Operator | Inbound | Gross | lb* |
|----------|---|-----------|-----------------|---------|-------|-------|
| In | 12/11/2018 08:05:43 | MANUAL WT | aramirez | | Tare | 1 lb* |
| Out | 12/11/2018 08:05:43 | | aramirez | | Net | 1 lb |
| | | | * Manual Weight | | Tons | |
| Comments | 10 loads on green drop tickets from 12/11/18 = 100 cyds total | | | | | |



PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

| Product | LD% | Qty | UOM | Rate | Fee | Amount | Origin |
|---------|------------------------|--------|-------|------|-----|--------|--------|
| 1 | CDY-CONST DEBRIS - 100 | 100.00 | Yards | | | | |

Total Fees
Total Ticket

Driver Signature



Date: 12-11-18

Ticket#: AP-78

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

10 loads x 18 = 180 cyds
Total

DRIVER

Signature: MACH

Date: 12-11-18

Ticket#: AP-78

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Justin Costello

11. Dump Diversion Summary

JKS Industries
AP-78: 4625 Fillmore St.

| Descriptions | | Dump Diversion / Recycle % | | | | | | | | |
|--------------|--------------------------------|----------------------------|--------------------------|-----------------|-----------------------|--------------------|-----------|-----------------|-------------------------------------|--------------------------------|
| Phase | Activity | Unit of Measure | # of Yards per Container | # of Containers | Total Number of Yards | Pounds Per Yard ** | Total Lbs | Recycled Yes/No | Pounds of Recycle or Dump Diversion | % of Recycle or Dump Diversion |
| Abatement | Trash Rolloff | Cubic Yard | - | - | - | 450.00 | - | | | |
| Abatement | Asbestos Containers | Cubic Yard | - | - | - | 500.00 | - | | | |
| | | | | | - | | - | | | |
| Demolition | Demolition Construction Debris | Cubic Yard | 18 | 18 | 324.00 | 1,400.00 | 453,600 | | | |
| Demolition | Concrete Debris | Cubic Yard | 12 | 2 | 24.00 | 4,050.00 | 97,200 | x | 97,200 | 17.65% |
| Demolition | Trees | Cubic Yard | - | - | - | 500.00 | - | x | - | 0.00% |
| Demolition | Steel | Lbs | - | - | - | - | - | x | - | 0.00% |
| Demolition | Copper | Lbs | - | - | - | - | - | x | - | 0.00% |
| | | | | 20 | 348.00 | | 550,800 | | 97,200 | 17.65% |

STUDY NOTES

- 1 The source material used for the Volume to Weight conversions came from Waste Management web site.
- 2 Conversions ratio's have been modified based on estimated compaction.

12. Containment Entry/Exit Log

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: 4625 Fillmore St.

Job #: 18-323

Date: 11-07-2018

| | NAME | SIGN-IN | SIGN-OUT | SIGN-IN | SIGN-OUT |
|-----|---|---------|----------|---------|----------|
| 1. | Dennis Majia | 7:05 | 11:45 | 12:50 | 3:18 |
| 2. | Wilmer A. | 7:08 | 11:50 | 12:52 | 3:19 |
| 3. | Tania P | 7:12 | 11:55 | 12:55 | 3:15 |
| 4. | Ricardo  | 7:10 | 11:52 | 12:48 | 3:17 |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |
| 9. | | | | | |
| 10. | | | | | |
| 11. | | | | | |
| 12. | | | | | |
| 13. | | | | | |
| 14. | | | | | |
| 15. | | | | | |
| 16. | | | | | |
| 17. | | | | | |
| 18. | | | | | |
| 19. | | | | | |
| 20. | | | | | |

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: 4625 Fillmore st.

Job #: 18-323

Date: 11-08-2018

| NAME | SIGN-IN | SIGN-OUT | SIGN-IN | SIGN-OUT |
|-----------------|---------|----------|---------|----------|
| 1. Wilmer A | 7:30 am | 11:51 | 12:55 | 3:20 |
| 2. Dennis Majia | 7:25 | 11:50 | 12:52 | 3:19 |
| 3. Ricardo F | 7:27 | 11:48 | 12:50 | 3:18 |
| 4. Tania P. | 7:35 am | 11:45 | 12:48 | 3:15 |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: *4625 Fillmore st*

Job #: *18.323*

Date: *11-09-2018*

| NAME | SIGN-IN | SIGN-OUT | SIGN-IN | SIGN-OUT |
|---------------------|-------------|--------------|--------------|-------------|
| 1. <i>Wilmer An</i> | <i>7:32</i> | <i>11:46</i> | <i>12:56</i> | <i>3:20</i> |
| 2. <i>Dennis</i> | <i>7:30</i> | <i>11:48</i> | <i>12:55</i> | <i>3:19</i> |
| 3. <i>Ricardo</i> | <i>7:34</i> | <i>11:50</i> | <i>12:55</i> | <i>3:17</i> |
| 4. <i>Tania</i> | <i>7:37</i> | <i>11:55</i> | <i>12:50</i> | <i>3:15</i> |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: 4625 Fillmore St

Job #: 18-323

Date: Nov ~~12~~¹³ 2018

| NAME | SIGN-IN | SIGN-OUT | SIGN-IN | SIGN-OUT |
|----------------|---------|----------|---------|----------|
| 1. Guillermo A | 7:00 | 11:30 | 12:00 | 5:30 |
| 2. Dennis M | 7:00 | 11:30 | 12:00 | 5:30 |
| 3. Ricardo F | 7:00 | 11:30 | 12:00 | 5:30 |
| 4. Tania P | 7:10 | 11:30 | 12:00 | 5:30 |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: 4625 Fillmore St.
Job #: 18-323

Date: 11-14-2018

| NAME | SIGN-IN | SIGN-OUT | SIGN-IN | SIGN-OUT |
|--------------|---------|----------|---------|----------|
| 1. Wilmer A | 9:05 AM | 11:57 | 12:55 | 3:20 |
| 2. Dennis M | 9:00 | 11:58 | 12:57 | 3:16 |
| 3. Ricardo F | 9:09 | 11:56 | 12:59 | 3:18 |
| 4. Tania P | 9:12 | 11:55 | 12:53 | 3:15 |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: Ag 78
Job #: 10323

Date: 11 15 8

| | NAME | SIGN-IN | SIGN-OUT | SIGN-IN | SIGN-OUT |
|-----|----------|---------|----------|---------|----------|
| 1. | Wilmer A | 7:10 | 11:30 | 12:30 | 3:30 |
| 2. | Doris M | 7:10 | 11:30 | 12:30 | 3:30 |
| 3. | Alex M C | 7:10 | 11:30 | 12:30 | 3:30 |
| 4. | RICARD E | 7:10 | 11:30 | 12:30 | 3:30 |
| 5. | TANIA T | 7:10 | 11:30 | 12:30 | 3:30 |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |
| 9. | | | | | |
| 10. | | | | | |
| 11. | | | | | |
| 12. | | | | | |
| 13. | | | | | |
| 14. | | | | | |
| 15. | | | | | |
| 16. | | | | | |
| 17. | | | | | |
| 18. | | | | | |
| 19. | | | | | |
| 20. | | | | | |

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 11 26 18

| NAME | SIGN-IN | SIGN-OUT | SIGN-IN | SIGN-OUT |
|-------------------|---------|----------|---------|----------|
| 1. DENNIS M | 7:00 | | | 3:30 |
| 2. WILMER A | 7:00 | 10:00 | | 3:30 |
| 3. MONICA B | 7:15 | | | 3:30 |
| 4. TAMIA P | 7:15 | | | 3:30 |
| 5. RICARDO F | 7:00 | | | 3:30 |
| 6. ALFREDO R | 7:00 | | | 3:30 |
| 7. ALEX M CORONEL | 7:00 | | | 3:30 |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |

13. Daily Logs

JKS INDUSTRIES LLC DAILY PROJECT LOG

Job # 18-323
 Date 06th

Job Name: 4635 Fillmore St
 Day Tuesday Month 11

Report # 2
 Year 2018

Project Manager _____

Superintendent Theo Rowland

| Work Performed Today | | Weather: <u>Clear sky</u> | | |
|--|------------------|-------------------------------------|-----------|-------|
| 7 am | | Temp. Hi <u>50°</u> Low <u>32°</u> | | |
| 1. Safety meeting - P.P.E., Razor blades, ladders followed by stocking. | | Safety Meeting <u>Yes</u> | | |
| | | Topic: <u>P.P.E., Horse keeping</u> | | |
| | | Work Force Number | | |
| 7:30 | | Project Manager | | |
| 2. Continued set up and lined dumpster. Continued the clear in house AP-79 and set up. | | Project Supervisor <u>1</u> | | |
| | | Operators | | |
| | | Laborers <u>4</u> | | |
| | | Tradesmen | | |
| 9:30 | | Other: | | |
| 3. Completed lining of dumpster. Removed appliances from AP-79. Ordered more supplies for AP-78 needed in the removal process. | | Other: | | |
| | | Other: | | |
| | | Materials Used | | |
| | | Quantity | | |
| 11:00 | | | | |
| 4. Received water trailer - . Not able to fill until water barrel is cleaned of landscaping debris or swapped for clean one. | | | | |
| | | | | |
| 3:30 pm | | Material Purchased/Delivered | | |
| Completed Set up in house AP-78. Completed house keeping on entire job site AP-79-AP-77 AP-78. Also locked all units and secured site. | | | | |
| | | | | |
| | | | | |
| Problems - Delays, Safety Issues <u>None</u> | | | | |
| | | | | |
| Subcontractor Progress <u>N/A</u> | | | | |
| | | | | |
| Inspections <u>N/A</u> | | | | |
| | | | | |
| | | | | |
| Equipment Rented Today | Rented From | Insp Chklist Complete? | Equipment | Hours |
| <u>N/A</u> | | | | |
| | | | | |
| | | | | |
| | | | | |
| Visitors (Incl. Subs, Clients, etc) | Time In/Time Out | Activity Onsite | | |
| <u>N/A</u> | | | | |
| | | | | |
| | | | | |

JKS INDUSTRIES LLC DAILY PROJECT LOG

Job # 18-323
 Date 07

Job Name: 4625 Fillmore St
 Day Wednesday Month Nov

Report # 3
 Year 2018

Project Manager _____

Superintendent Theo R

| Work Performed Today | | Weather: | |
|----------------------|--|------------------------------------|----------------|
| <u>7:00 Am</u> | <u>1. Safety meeting - P.P.E., House keeping Ladders, Hand tools. Stretching exercise.</u> | Temp. Hi <u>41°</u> Low <u>27°</u> | Safety Meeting |
| | | Topic: | |
| | | Work Force | Number |
| | | Project Manager | |
| <u>7:30</u> | <u>2. Inspected Containment - washed containment checking all areas before removal. Very good pressure. 45</u> | Project Supervisor | <u>1</u> |
| | | Operators | |
| | | Laborers | <u>3</u> |
| | | Tradesmen | |
| | | Other: | |
| <u>10:30</u> | <u>3. House keeping is very good around jobsite. Removal of ceiling is going good. lots of insulation being bagged.</u> | Other: | |
| | | Other: | |
| | | Other: | |
| | | Materials Used | Quantity |
| <u>1:30</u> | <u>4. Progress going good on removal and debris pick up. more insulation than expected.</u> | | |
| | | | |
| <u>3:30</u> | <u>5. Completed ceiling removal and cleared all above insulation and bagged. Secured job site and cover. Checked entire fence area before leaving.</u> | Material Purchased/Delivered | |
| | | | |

Problems - Delays, Safety Issues NONE

Subcontractor Progress N/A

Inspections N/A

| Equipment Rented Today | Rented From | Insp Chklist Complete? | Equipment | Hours |
|------------------------|-------------|------------------------|-----------|-------|
| | | | | |
| | | | | |
| | | | | |

| Visitors (Incl. Subs, Clients, etc) | Time In/Time Out | Activity Onsite |
|-------------------------------------|------------------|-----------------|
| | | |
| | | |
| | | |

JKS INDUSTRIES LLC DAILY PROJECT LOG

Job # 18 323
Date 11 15 18

Job Name: A275
Day THURS

Report # _____
Month NOV Year 2018

Project Manager DIMAS DO

Superintendent Geo

| | | | | |
|---|------------------|-------------------------------------|-----------|-------|
| Work Performed Today | | Weather: <u>Sunny partly cloudy</u> | | |
| 7:00 work plan safety brief - stretch & BEND | | Temp. Hi <u>50°</u> Low <u>35°</u> | | |
| Going for more demo in rooms get a late start | | Safety Meeting | | |
| yester DAY. Demo in restural most rooms complete. Debris | | Topic: | | |
| rooms BAGGED. SP Supplies put on order. A-Bags - | | Work Force | | |
| ring filters. water buffalo need gasoline. A bid of | | Number | | |
| equipment need changing - Hoses from show to buffalo | | Project Manager | | |
| not working. 10:30a Demo in rooms - R-3, R4, | | Project Supervisor | | |
| R-6, R7, and R8 @ 20% 70% complete divide crew | | Operators | | |
| After lunch to bag up and continue Demo | | Laborers | | |
| OTL RFL | | Tradesmen | | |
| END of Day Entire unit walls damaged. Leaf blow | | Other: | | |
| Started to get a jump on progress while digging | | Other: | | |
| out. Tomorrow continue Bag out & leaf blow. | | Other: | | |
| Secure site end of Day | | Materials Used | | |
| Problems - Delays, Safety Issues | | Quantity | | |
| NOTE | | | | |
| Subcontractor Progress | | Material Purchased/Delivered | | |
| NA | | | | |
| Inspections | | | | |
| NA | | | | |
| Equipment Rented Today | Rented From | Insp Chklist Complete? | Equipment | Hours |
| | | | | |
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| Visitors (Incl. Subs, Clients, etc) | Time In/Time Out | Activity Onsite | | |
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